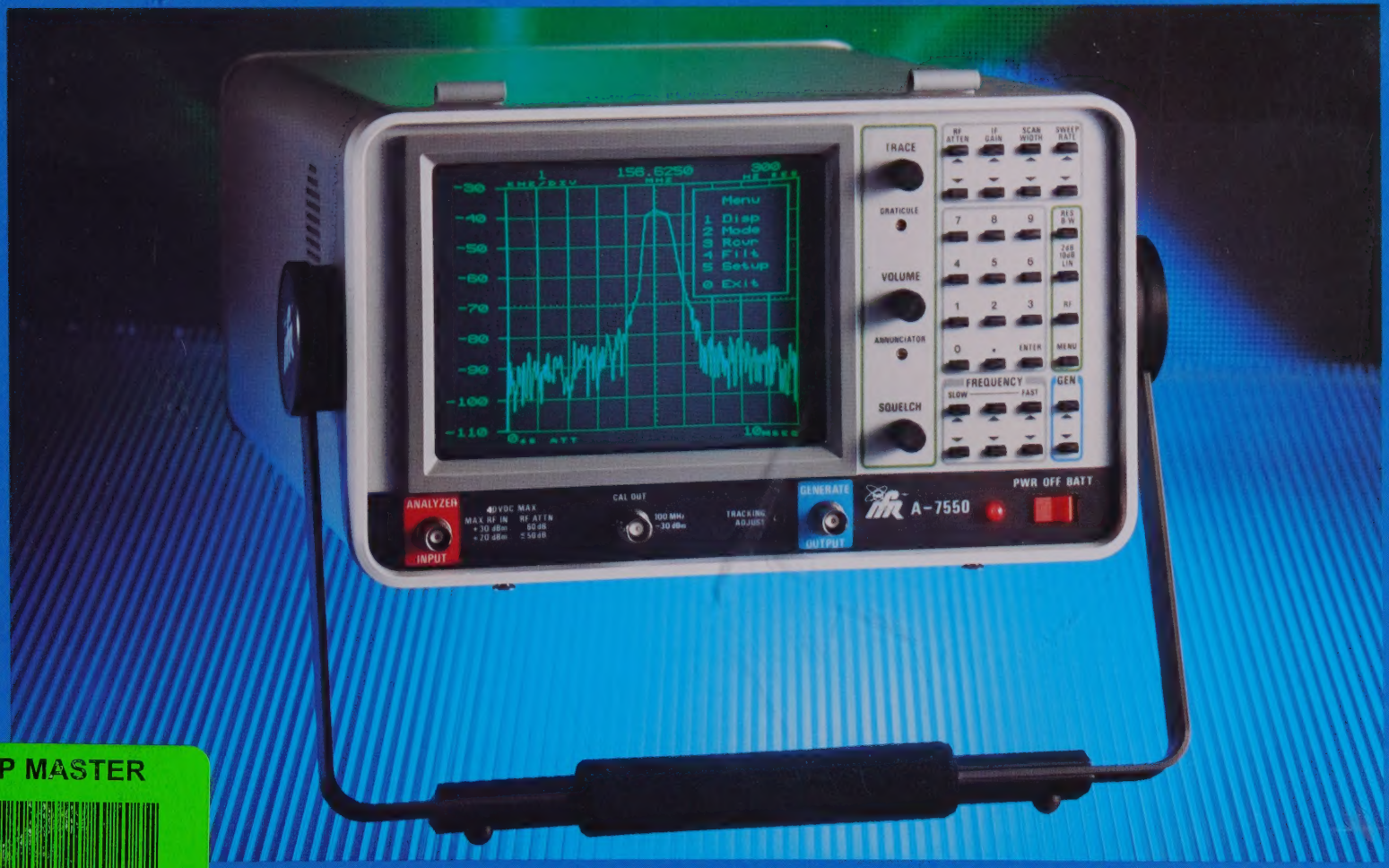
ILLUSTRATED PARTS CATALOG

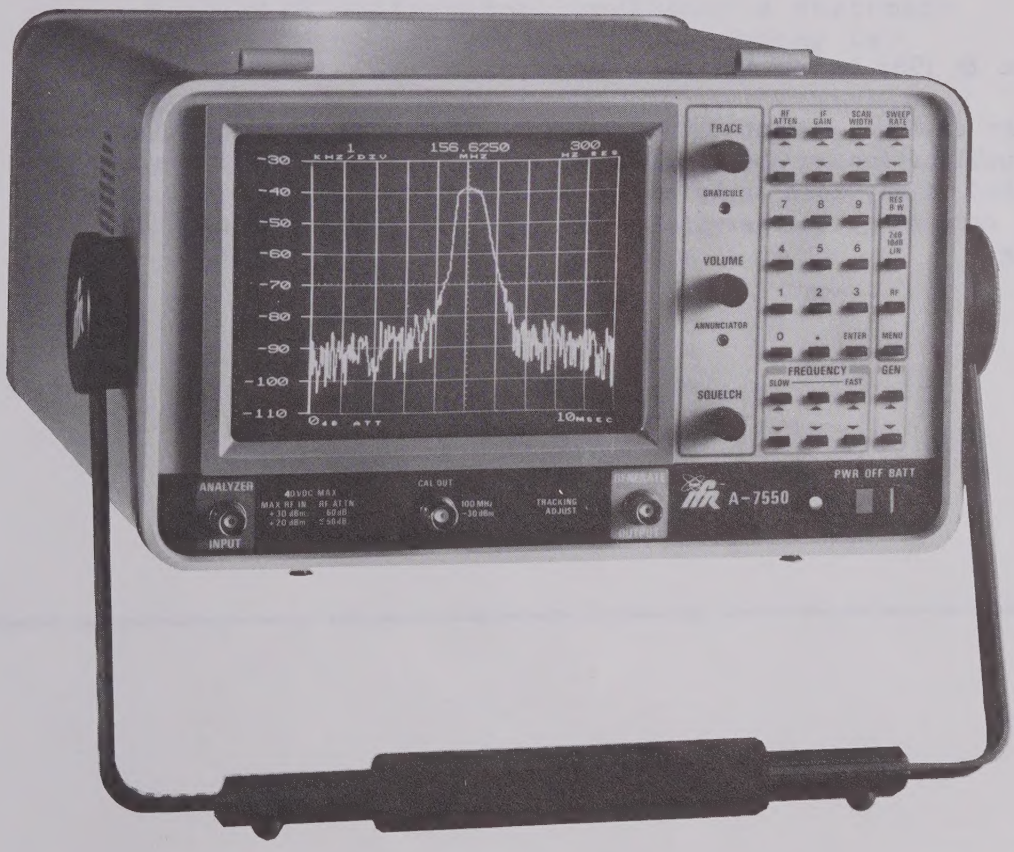
A-7550
SPECTRUM ANALYZER



MP MASTER
MA21366

ILLUSTRATED PARTS CATALOG

A-7550
SPECTRUM ANALYZER



10200 West York Street/Wichita Kansas 67215 U.S.A./(316) 522-4981/TWX 910-741-6952

1002-5301-300

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Wichita, Ks

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CERTIFICATION

IFR, Inc., certifies that this instrument has been thoroughly tested and inspected and found to meet currently published specifications at the time of shipment from the factory. Test Data Sheets, containing factory measured calibration parameters, will be retained for a period of 1 year from date of delivery, at which time factory calibration expires. Copies are available upon request from IFR Customer Service Department for a nominal reproduction fee.

Certified calibration, including a Statement of Compliance issued by IFR Metrology Lab to certify that calibration is directly traceable to the National Bureau of Standards to the extent allowed by the NBS, is also available through IFR Customer Service Department. All requests for certified calibration must be accompanied by a purchase order.

DOMESTIC

LIMITED WARRANTY

IFR Systems, Inc. functionally tests each new instrument manufactured by IFR immediately prior to shipment and warrants the instrument to be free from defects in material and workmanship under normal use and service for a period of TWO (2) YEARS from the shipping date, warrants any battery pack contained in such instrument for Ninety (90) days, and warrants external optional equipment for Thirty (30) days. If, after examination by IFR or its authorized service center, the instrument is determined to be defective in material or workmanship, IFR's obligation under this warranty is limited to replacing or repairing, free of charge except for certain freight charges as described herein, any defective part or parts of the instrument. If the instrument is found not to be defective in material or workmanship, or in the event the warranty claim is invalid because of failure to comply with the provisions herein, IFR shall notify the customer and shall only repair or replace the instrument parts at customer's direction and expense.

The warranty does not apply to any instrument that has been subject to misuse, alteration, negligence, accident, shipping damage, improper installation, or improper operation, or that in any way has been tampered with or repaired by any person other than an authorized IFR service organization or any employee thereof, or to any instrument whose serial number has been altered, defaced, or removed, or to any instrument purchased within and thereafter removed, without express written consent, beyond the continental limits of the United States. Annual recalibration is not included in the warranty.

IFR shall not be liable for any delay or failure to repair or furnish a replacement part, including, but not limited to delays resulting directly or indirectly from any governmental restriction, priority, or allocation, or any other governmental regulatory order or action, nor shall IFR be liable for damages (direct, indirect, or consequential) by reason of the failure of the instrument to perform properly.

IFR assumes responsibility for surface freight charges on all legitimate warranty returns within thirty (30) days from the original shipping date (second day air freight only upon approval by IFR), insurance not to exceed $500 value. Warranty claims filed between thirty-one (31) and ninety (90) days after original shipping date shall be forwarded to IFR surface freight collect (second day air freight only upon approval by IFR), insurance not to exceed $500 value, and will be returned to customer surface freight collect, insured value to be determined and paid by customer. Notwithstanding the above, however, risk of loss on all shipping shall be borne by the customer on all warranty returns to IFR and subsequent redeliveries to customer.

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This warranty shall, at IFR's option, become void if the equipment ownership is transferred, unless the prior owner or the proposed owner obtains approval from IFR of continuation of the warranty prior to the transfer of ownership.

IFR neither assumes nor authorizes any person to assume for it any other liability or impose any obligation on IFR in connection with the sale or use of the instrument other than those expressly stated above, and there are no oral agreements or warranties collateral to or affecting this warranty.

THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE NOT SET FORTH IN WRITING SIGNED BY AN AUTHORIZED REPRESENTATIVE OF IFR.

CHANGES IN SPECIFICATIONS.

1. The right is reserved to change the published specifications of the equipment at any time and to furnish merchandise in accordance with current specifications without incurring any liability to modify equipment previously sold, or to supply new equipment in accordance with earlier specifications except under the classification of special apparatus.

SERVICE.

1. When requesting service, the originator shall give IFR information concerning the nature of the failure and the manner in which the equipment was used when the failure occurred. Type, model, and serial number should also be provided.

2. Do not return any products to the factory without first receiving authorization from the factory Customer Service Department.

CONTACT:

IFR SYSTEMS, INC.
10200 W. York Street
Wichita, Kansas 67215 USA

ATTN: Customer Service Department

PHONE: (800) 835-2350 (Customer Service Only)

TWX: 910-741-6952

3. Unless otherwise specifically requested, packaging for a return shipment shall be in the original container and packaging material. If the original container and material are not available, information as to suitable packaging techniques will be provided by the IFR Customer Service Department.

4. Returned material claimed defective, but found to meet all previously applicable specifications, will be subject to a minimum evaluation charge consisting of the labor charges involved in the status determination of the material.

5. Returned material not accompanied by statement of claimed defects may be returned at the originator's expense.

6. Any departure from the above instructions without specific factory authorization can be considered a breach of warranty, and all expenses incurred as a result will be billed to the originator.

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GENERAL INFORMATION

WARRANTY INFORMATION CARDS

Warranty registration cards are completed and mailed to factory by owner's authorized IFR Distributor, within ten (10) days after retail sale. Owner will be mailed a copy of warranty card, to be retained for personal records.

SHIPPING PROCEDURES

Retain all original shipping cartons for possible future use, in event test instrument is to be returned to factory for calibration and/or repair. Use of containers other than originals, could cause equipment damage which would not be repairable under warranty and could result in warranty of set being voided. Damaged original IFR shipping cartons will be replaced at no charge to customer.

When returning units to factory for calibration, service or repair, please include antennas and attenuation pads. Return of power cords is not necessary.

Units will be returned to customers utilizing same conveyances by which received when possible.

CERTIFIED CALIBRATION COSTS

Periodic certified calibration, traceable to National Bureau of Standards (as required by FAA and FCC regulations) is not covered by IFR Warranty. Calibration fees* are listed below:

Instrument Model	Cost	Instrument Model	Cost
A7550	$275.00	L-1000	$115.00
A8000	$300.00	MDL-111A	$ 75.00
ATC-600	$250.00	MLS-800	$400.00
ATC-600A	$250.00	MLS-801	$300.00
ATC-1200	$299.00	MM-100	$ 75.00
ATC-1200Y3	$299.00	MM-100E	$ 75.00
ATC-1400	$400.00	NAV-401L	$250.00
ATC-1400A	$400.00	NAV-402AP	$300.00
COMM-760	$200.00	NAV-750	$245.00
CS-360D	$200.00	NAV-750A	$255.00
FM/AM-500	$200.00	NAV-750B	$255.00
FM/AM-500A	$200.00	NAV-750BR	$275.00
FM/AM-1000A	$275.00	RD-300	$300.00
FM/AM-1000S	$300.00	RD-301	$400.00
FM/AM-1100A	$275.00	RDX/RDC-3000	$300.00
FM/AM-1100S	$300.00	RDX/RDC-7708	$400.00
FM/AM-1200	$300.00	S-1403	$300.00
FM/AM-1200A	$275.00	T-1200SR	$300.00
FM/AM-1200S	$300.00	T-1200SRA	$300.00
FM/AM-1500	$400.00	T-1401	$300.00
I-1402	$300.00		

MISCELLANEOUS FEES*

A $10.00 minimum billing charge exists for non-warranty parts. Parts sent to customers will be insured only if IFR cost of contents exceeds $50.00. Warranty on batteries in portable units is 90 days.

CUSTOMER SERVICE INFORMATION

For calibration scheduling or service related information, contact IFR Customer Service Dept. at following:

IFR Systems, Inc., Customer Service Dept.
10200 West York Street, Wichita, Kansas 67215 Tel. (800)-835-2350

* Prices and availabilities subject to change without notice.

Bill Baker, Director-Product Service
Ken Lewis, Manager-Quality Assurance

March 14, 1988

LIST OF EFFECTIVE PAGES

The manual pages listed below which are affected by a current change or revision, are so identified by a revision number and an asterisk.

Date of issue for original and changed pages are:

Original ..... 0 ..... November 15, 1988

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INTRODUCTION

GENERAL

The purpose of this Illustrated Parts Catalog is for identification, requisition and issuance of replacement parts for the A-7550 Spectrum Analyzer. Parts listed in this catalog meet critical equipment design specification requirements. For parts replacement, use only parts specified by this catalog.

Applicable beginning serial numbers are as follows:

MODEL	SERIAL NUMBER
A-7550	S/N 2400 & ON

This catalog provides a breakdown of each assembly to the component level, while using a basic indenture system to identify both subassembly and next higher assembly components, as well as attaching hardware. A sample parts list page below illustrates this system.

ILLUSTRATED PARTS CATALOG A-7550

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
21 -		7005-5449-700	POWER SUPPLY ASSEMBLY SEE FIG 8 FOR NHA			REF
1		1414-5356-500	COVER ASSY, POWER SUPPLY			1
			ATTACHING PARTS			
2		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		12
			---*---			
3		3107-5356-400	INSULATOR			1
4		SEE FIG 22	LINE RECTIFIER PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
5		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		2
			---*---			
	J15001	2220-9900-100	CONNECTOR, DC POWER (712A)	82389		1
	J15002	2220-1021-100	CONNECTOR, AC POWER FILTERED (3EF1)	05245		1
			ATTACHING PARTS			
6		2803-0313-006	SCREW (4-40 X 5/16 PPHM)	UNK015		2
7		2840-0000-009	WASHER, FLAT (#4 FLAT WASHER)	UNK015		2
8		2840-0000-003	WASHER, LOCK (#4INT TOOTH LOCKWASH)	UNK015		2
			---*---			
	C15001	1501-0104-510	CAPACITOR .1 µF, 1000 V (10GAP10)	56289		1
	C15002	1580-2210-230	CAPACITOR 220 µF, 25 V (25TT220MS)	52318		1
	C15003	1502-0105-007	CAPACITOR 1 µF, 50 V (MPC13-1-50-5)	27735		1
	C15004	1580-2210-230	CAPACITOR 220 µF, 25 V (25TT220MS)	52318		1
	C15005	1502-0103-010	CAPACITOR .01 µF, 50 V (PC12.01-50-2)	27735		1
	C15006	1580-1020-158	CAPACITOR 1000 µF, 16 V (16TT1000MS)	52318		1
	C15007	1580-3310-150	CAPACITOR 330 µF, 16 V (16TT330MS)	52318		1
	C15008	1580-1090-500	CAPACITOR 1 µF, 50 V (50TT1MS)	52318		1
	C15009	1580-1020-049	CAPACITOR 1000 µF, 6 V (6R3TT1000MS)	52318		1
	C15030	1507-0685-018	CAPACITOR 6.8 µF, 35 V (T322D685M035AS)	31433		1
	FL15001	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL15002	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL15003	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL15004	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL15005	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL15006	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL15007	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL15008	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
9		6046-5482-800	WIRE HARNESS ASSY, PWR SUPPLY			1
	J15003	2115-5001-083	CONNECTOR, POLARIZED (03-06-1121)	27264		1
		2114-0000-018	CONTACT, CONN 18 - 24 GA (02-06-1132)	27264		1
		SEE FIG 1	WIRE, 7S 20 GA			A/R
		SEE FIG 1	TUBING, PIF 2 GA, BLK			A/R
	J15005	2115-9002-002	CONNECTOR, LOCKING (SMP02VB)	UNK020		1
		2114-9002-001	CONTACT, CONN 22 - 26 GA (SHF001T0.8SS)	UNK020		1
10		6046-5482-900	WIRE HARNESS ASSY, PWR SUPPLY BATTERY			1
			ATTACHING PARTS			
11		2109-0000-005	CLAMP, CABLE (CLE 3/8)	51705		1
12		2803-0313-006	SCREW (4-40 X 5/16 PPHM)	UNK015		1
13		2850-0000-078	WASHER D-TYPE (D3SE128GY)	UNK038		1
			---*---			

HOW TO USE

This catalog is compiled of three indices to aid the user in locating parts.

CROSS REFERENCE INDEX

To locate a part number if the assembly is known in which the part is located, refer to the Cross Reference Index (in the front of catalog) to identify the figure number and page number of the illustration that will show the breakdown of the assembly. Locate the part and its item number on the illustration and find the applicable item number on the parts list to determine its part number and description.

NUMERICAL INDEX

To locate the illustration for a part if the part number is known, refer to the Numerical Index (in the back of catalog) and find the part number. Find the first figure and item number indicated in the Numerical Index for that part. If this figure shows the part in a section or module other than the one desired, refer to the other figure numbers listed in the Numerical Index for that part number.

REFERENCE DESIGNATOR INDEX

To locate the illustration or part number for a part if the reference designator is known, refer to the Reference Designator Index (in the back of catalog) to identify the applicable figure number where the illustration and part number appear. Locate the part and its reference designator on the illustration, then find the reference designator in the parts list to determine its part number and description.

ASSEMBLY VS SUBASSEMBLY

The first line of text under indenture 1 of the page heading is the assembly being broken down in the designated figure. Any item listed under indenture 2 is a subassembly or component of the preceding item listed under indenture 1. Any item listed under indenture 3 is a subassembly or component of the preceding subassembly listed under indenture 2 and so on.

ATTACHING HARDWARE

All attaching hardware for a particular part is listed under the "Attaching Parts" designation, which in turn appears directly below the parent part. The last item making up the attaching parts group precedes the symbol "---*---".

NOTE

The quantity listed for the attaching parts is the quantity required to attach only one of the parent parts.

When a parent part is supplied with any or all of its mounting hardware, the designation "INCL MTG HARDWARE" will be listed adjacent to the parent part. Any additional attaching hardware required beyond the supplied mounting hardware, will be listed separately below the parent part.

PROCEDURE FOR ORDERING PARTS

When ordering parts, the model and serial number of your set must accompany parts order. The parts order itself must contain the IFR part number and description of the part(s) being ordered. DO NOT order parts by the item numbers or reference designators; these numbers are provided as a convenience to user for correlating parts between the illustrations and parts lists.

NOTE

The Parts Lists indicate full reference designator series (e.g., R1201); the illustrations indicate only abbreviated reference designators (e.g. R1).

Direct all parts orders to:

Customer Service
IFR Systems, Inc.
10200 West York Street
Wichita, Kansas 67215 U.S.A.
TEL (316) 522-4981/TWX 910-741-6952

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LIST OF ABBREVIATIONS

The following is a list of abbreviations and symbols commonly used throughout this parts catalog:

A	- Ampere
A/D	- Analog to Digital
A/D-D/A	- Analog to Digital/Digital to Analog
A/H	- Ampere Hour
A/R	- As Required
ADH	- Adhesive
ADJ	- Adjust
ADPTR	- Adapter
AMP	- Amplifier
AN	- Alphanumeric
ANL	- Analog
ASSY	- Assembly
ASYN	- Asynchronous
ATTEN	- Attenuator
AUX	- Auxiliary
BCD	- Binary Coded Decimal
BD	- Board
BFR	- Buffer
BIN	- Binary
BMG	- Type B, Medium Grade
BOT	- Bottom
BSTL	- Bistable
C	- Center
CHA	- Channel
CHAR	- Character
CIRC	- Circular
CKT	- Circuit
CLR	- Clear
CNTR	- Counter
COMM	- Communication
CMPTR	- Comparator
CONDCT	- Conductor
CONN	- Connector
CONT	- Control
CONV	- Converter
CP	- Coupler
CPRSN	- Compression
CPU	- Central Processing Unit
CRT	- Cathode Ray Tube
CRYG	- Carrying
D/A	- Digital to Analog
dB	- Decibel
DCDR	- Decoder
DEC	- Decade
DEFL	- Deflection
DEMOD	- Demodulated
DET	- Detector
DIFF	- Differential
DIV	- Divider
DMPLXR	- Demultiplexer
DPDT	- Double Pole Double Throw
DPST	- Double Pole Single Throw
DRVR	- Driver
DSPL	- Display
DVM	- Digital Voltmeter
ELAS	- Elastic
ENCL	- Enclosure
FIFO	- First In First Out
FIG	- Figure
FLEX	- Flexible
FLTPK	- Flat Pack
FLTR	- Filter
FLUOR	- Fluorescent
FR	- Front
FREQ	- Frequency
FSO	- For Spares Order
FXD	- Fixed
GA	- Gauge
GEN	- Generator
GND	- Ground
GPIB	- General Purpose Interface Bus
HS	- Heat Shrink
Hz	- Hertz
I/O	- Input/Output
IC	- Integrated Circuit
IF	- Intermediate Frequency
INCL	- Includes
INP	- Input
INT	- Internal
INTFC	- Interface
INV	- Inverter
K	- Kilohm
kHz	- Kilohertz
KV	- Kilovolt
KW	- Kilowatt
LCH	- Latch
LG, L	- Long
LOG	- Logarithmic
LPF	- Low Pass Filter
LWR	- Lower
M	- Megohms
M/S	- Master/Slave
MHz	- Megahertz
ML	- Monolithic
MOD	- Modulus
MON	- Monitor
MPLXR	- Multiplexer
MTG	- Mounting
MULTI	- Multiplier
NAT	- Natural
NHA	- Next Higher Assembly
NO	- Number
NP	- Non-procurable
NYL	- Nylon
OD	- Outside Diameter
OFS	- Offset
OSC	- Oscillator
PAL	- Programmable Array Logic
PC BD	- Printed Circuit Board
pF	- Picofarad
PFHM	- Phillips Flat Head Machine (Screw)
PHEN	- Phenolic

LIST OF ABBREVIATIONS

PNL - Panel
POS - Position
PPHM - Phillips Pan Head Machine (Screw)
PRF - Pulse Repetition Frequency
PRGM - Program
PTHM - Phillips Thin Head Machine (Screw)
PWR - Power
QDRTR - Quadrature
QTY - Quantity
R/A - Right Angle
RCV - Receive
RCVR - Receiver
RCVY - Recovery
RECT - Rectifier
REF - Reference
REF DES - Reference Designator
REG - Regulator
RF - Radio Frequency
RTNR - Retainer
S - Strand
S BAR - Schottky Barrier
S/A - Spectrum Analyzer
SER - Serial
SFHM - Socket Flat Head Machine (Screw)
SHC - Socket Head Cap (Screw)
SHS - Socket Head Set (Screw)
SI - Silicon
SIG - Signal
SN - Serial Number
SP - Speaker
SPDT - Single Pole Double Throw
SPST - Single Pole Single Throw
SQ - Square
SR - Shift Register
SSB - Single Side Band
STD - Standard
STR - Straight
SUPPR - Suppressor
SW - Switch
SWD - Switched
SYNC - Synchronized
SYN - Synchronous
TERMN - Termination
TFL, TFE - Teflon
THK, TH - Thick
TRIG - Trigger
TW - Thumbwheel
U/D - Up/Down
UNIV - Universal
UNK - Unknown
UPR - Upper
V - Volt
VAC - Volts Alternating Current
VAC - Vacuum
VAR - Variable
VCO - Voltage Controlled Oscillator
VDC - Volts Direct Current
VID - Video
VOLT REG - Voltage Regulator
XCVR - Transceiver
XFMR - Transformer
XMTR - Transmitter
XSTR - Transistor
XTAL - Crystal
Ω - OHMS
µF - Microfarad
µH - Microhenry

WIRE COLOR ABBREVIATIONS

BLK - Black
BRN - Brown
RED - Red
ORN - Orange
YEL - Yellow
GRN - Green
BLU - Blue
VIO - Violet
GRA - Gray
WHT - White

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Cleveland, OH 44139

UNK003 Lambda
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6950 Winchester
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UNK004 Little Fuse
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UNK008 Royal Vista Plastics, Inc.
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Skokie, IL 60077

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Arlington, TX 76011

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Chiyoda-Ku, Tokyo 102, Japan

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UNK043 McCoy Crystal Co.
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02289 Hi-G Co.
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07240 Zipper Tubing Co.
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One Norden Ln.
Huntington Station, NY 11746

30146 Symbex Corp.
Sub. of Associated Enterprises
72 Corwin Dr.
P.O. Box 938
Painsville, OH 44077

31148 PMI Corp.
P.O. Box 15264
Sacramento, CA 95813

31223 Micro Plastics, Inc.
20821 Dearborn St.
Chatsworth, CA 91311-9516

31433 Kemet Electronics Corp.
Hwy. 385, S.E.
Simpsonville, SC 29681

31471 American Micro Systems, Inc.
3800 Homestead Rd.
Santa Clara, CA 95051-4542

31610 Fastenair Corp.
10800 E. Central Ave.
Wichita, KS 67206-2524

32039 Zeus Industrial Products, Inc.
Ft. Thompson St.
P.O. Box 298
Raritan, NJ 08869

32252 Olektron Corp.
61 Sutton Rd.
Webster, MA 01570-9339

MANUFACTURER IDENTIFICATION

32293 Intersil, Inc.
Sub. of General Electric Co.
10600 Ridgeview Ct.
Cupertino, CA 95014-0704

32694 TRW Optoelectronics
Sub. of TRW, Inc.
2115 W. Crosby Rd.
Carrollton, TX 75006

33005 Jewell Electronic Instruments
Grenier Field
Manchester, NH 03108

33025 Omni-Spectra, Inc.
Microwave Subsystems Div.
2626 S. Hardy Dr.
Tempe, AZ 85282-1960

33095 Spectrum Control, Inc.
2185 W. Eighth St.
Erie, PA 16505

33096 Colorado Crystal Corp.
2303 W. 8th St.
Loveland, CO 80537-5268

33297 NEC Electronics USA, Inc.
Electronic Arrays Div.
550 E. Middlefield Rd.
Mountain View, CA 94043-4008

33497 Precision Winding, Inc.
109 S. Knight St.
Wichita, KS 67213

34335 Advanced Micro Devices
901 Thompson Pl.
Sunnyvale, CA 94086-4518

34359 Minnesota Mining and Mfg.
Commercial Office Supply Div.
3M Center Bldg. 223-35
St. Paul, MN 55101-1428

34649 Intel Corp.
3065 Bowers Corp.
Santa Clara, CA 95051

34848 Hartwell Special Products
950 S. Ritchfield Rd.
Placentia, CA 92670

35795 Leslie Controls, Inc.
12501 Telecom Dr.
Tampa, FL 33617

36665 Mitel Corp.
350 Leggett Dr.
P.O. Box 13089
Kanata, Ontario, Canada K2K1X3

41987 Radio Inc.
2930 E. Harry
Wichita, KS 67211

44655 Ohmite Mfg. Co.
3601 W. Howard St.
Skokie, IL 60076

45684 Midwest Fastener Supply, Inc.
2238 S. Mead
Wichita, KS 67211

46384 Penn Engineering & Mfg. Corp.
Old Eastern Rd.
P.O. Box 1000
Danboro, PA 18916

5R840 Texmate, Inc.
348 S. Cedros Ave.
Solana Beach, CA 92075-1919

5U802 Dennison Mfg. Co.
Fastener Div.
300 Howard St.
Framingham, MA 01701-8313

50088 Thomson Components
Mostek Corp.
1310 Electronics Dr.
Carrollton, TX 75006

50101 Frequency Sources, Inc.
Semiconductor Division,
Sub. of Loral Corp.
16 Maple Rd.
South Chelmsford, MA 01824

50157 Midwest Components, Inc.
1981 Port City Blvd.
P.O. Box 787
Muskegon, MI 49443

50558 Electronic Concepts, Inc.
526 Industrial Way West
Eaton Town, NJ 07724

50788 Ad-vance Magnetics, Inc.
625 Monroe St.
Rochester, IN 46975

51167 Aries Electronics, Inc.
62 Trenton Ave.
P.O. Box 130
Frenchtown, NJ 08825

51190 IFR Systems, Inc.
10200 W. York
Wichita, KS 67215

MANUFACTURER IDENTIFICATION

51506 Accurate Screw Machine Co.
19 Baltimore St.
Mutley, NJ 07110-1330

51640 Analog Devices, Inc.
Microelectronics Div.
829 Woburn St.
Wilmington, MA 01887

51705 ICO/Rally
2575 E. Bayshore Rd.
P.O. Box 10104
Palo Alto, CA 94303

52648 Plessey Semiconductors
1641 Kaiser Ave.
Irvine, CA 92714

52865 Fastener Sales Co.
3228 Collinsworth
Forth Worth, TX 76107

53217 Technical Wire Products, Inc.
DBA Tecknit, Inc.
320 N. Nopal St.
Santa Barbara, CA 93103

53421 Tyton Corp.
7930 N. Faulkner Rd.
P.O. Box 23055
Milwaukee, WI 53223

54236 Ann Arbor Terminals, Inc.
6175 Jackson Rd.
Ann Arbor, MI 48103

54453 Sullins Electronics Corp.
801 E. Mission Rd.
P.O. Box 757
San Marcos, CA 92069

54893 Hewlett-Packard Co.
Microwave Semiconductor Div.
350 W. Trimble Rd.
San Jose, CA 95131

54962 K-W Mfg. Co.
919 8th St.
Prague, OK 74864

54987 Eaton Corp.
Microwave Product Div.
Semiconductor Devices
935 Benicia Ave.
Sunnyvale, CA 94086

55153 Dielectric Laboratories, Inc.
Route 20 E.
P.O. Box 321
Cazenovia, NY 13025-0321

55322 Samtec, Inc.
810 Progress Blvd.
P.O. Box 1147
New Albany, IN 47150

55442 Opto 22
15461 Springdale St.
Huntington Beach, CA 92649

55576 Synertek
3001 Stender Way
Santa Clara, CA 95051

55680 Nichicon
927 E. State Parkway
Schaumburg, IL 60195

55936 Industrial Bearing Sales, Inc.
52 9th St.
Oakland, CA 94607

56025 Reticon Corp.
345 Portrero Ave.
Sunnyvale, CA 94086

56187 Sokol Crystal Products
121 Water St.
P.O. Box 249
Mineral Point, WI 53565

56216 KW Engineering, Inc.
4565 Ruffner St.
San Diego, CA 92111

56289 Sprague Electric Co.
World Headquarters
92 Hayden Ave.
Lexington, MA 02173

56402 Paul Smith Co.
Div. of Standex Electronics
4538 Camberwill Rd.
Cincinnati, OH 45209

56623 Babcock Inc.
1717 W. Collins Ave.
Orange, CA 92667

56647 Centurion Industries, Inc.
329 Lynnway
Lynn, MA 01901

56699 Mepco/Centralab
A North American Phillips Co.
6071 St. Andrews Rd.
Columbia, SC 29210

56708 Zilog, Inc.
1315 Dell Ave.
Campbell, CA 95008

MANUFACTURER IDENTIFICATION

56880 Magnetics, Inc.
3000 E. Preston St.
Baltimore, MD 21213

57053 Gates Energy Product
Affil. of Gates Rubber Co.
1050 S. Broadway
P.O. Box 5887
Denver, CO 80217

57137 Trim-Lok, Inc.
7220 E. Compton Blvd.
Paramount, CA 90723

57693 Oscillatek Corp.
620 N. Lindenwood Drive
Olathe, KS 66062

57771 Stimpson Co., Inc.
900 Sylvan Ave.
Bayport, NY 11705

57821 Polaris Plastics Corp.
15926 S. Figueroa St.
Gardena, CA 90248

57924 Bourns, Inc.
Networks Div.
1200 Columbia Ave.
Riverside, CA 92507

57962 Thomson-CSF Components Corp.
Semiconductor Div.
Montgomeryville OPNS Commerce Dr.
Montgomeryville Industrial Center
Montgomeryville, PA 18936

58135 Acrian, Inc.
490 Race St.
San Jose, CA 95126

58712 USECO
1152 Park Ave.
Murfreesboro, TN 37130

58999 Sierracin/Power Systems
20500 Plummer St.
Chatsworth, CA 91311

59096 Kyocera International, Inc.
8611 Balboa
San Diego, CA 92123

59124 KOA Speer Electronics, Inc.
Bolivar Dr.
P.O. Box 547
Bradford, PA 16701

59277 Magnum Microwave Corp.
1080 E. Duane Ave., Suite D
Sunnyvale, CA 94086

59377 Siemens Corp.
800 Hoyt St.
Broomfield, CO 80020

59492 K & L Quartztek
Div. of K & L Microwave, Inc.
Subsidiary of Dover Corp.
20th South 48th Ave.
Phoenix, AZ 85043

59660 Tusonix, Inc.
7741 N. Business Park Dr.
P.O. Box 37144
Tucson, AZ 85745

59730 Thomas & Betts Corp.
Hwy. 218 S.
Iowa City, IA 52240

59993 International Rectifier
Semiconductor Div.
233 Kansas St.
El Segundo, CA 90245

60583 Narda Microwave Corp.
Western Opns., Sacramento Facility
11101 Trade Center Dr.
Rancho Cordova, CA 95670

61162 JFW Industries, Inc.
5134 Commerce Square Dr.
Indianapolis, IN 46237

61271 Fujitsu Microelectronics, Inc.
2985 Kifer Rd.
Santa Clara, CA 95051

61394 SEEQ Technology, Inc.
1849 Fortune Dr.
San Jose, CA 95131

61529 Aromat Corp.
629 Central Ave..
New Providence, NJ 07974

61593 Texscan MSI Corp.
Div. of Texscan Corp.
3855 South 500 W., Suite S
Salt Lake City, UT 84115

61637 Union Carbide Corp.
Old Ridgebury Rd.
Danbury, CT 06817

61802 Toshiba International
Industrial Div.
13131 W. Little York Rd.
P.O. Box 40906
Houston, TX 77041-5807

MANUFACTURER IDENTIFICATION

62132 Manhattan Electric Cable Corp.
400 Willow St.
P.O. Box 756
Bridgeton, NJ 08302

62332 Eveready Battery Co., Inc.
U.S. 136 E.
P.O. Box 280
Maryville, MO 64468

62391 Air Filtration Products Inc.
1205 N. Flagler Dr.
Fort Lauderdale, FL 33304-2131

62462 Capar Components Corp.
25 Dubon Court
Farmingdale, NY 11735

62559 Schroff Inc.
170 Commerce Dr.
Warwick, RI 02886-2430

63426 NKK Switches of America
14415 N. Scottsdale Rd.
Number 600
Scottsdale, AZ 85260-5930

63974 Sylvania Lighting Equipment
Div. of GTE Products Corp.
21 Penn St.
Fall River, MA 02724-1276

64082 Espirit Technology, Inc.
144 A Mayhew Way
Walnut Creek, CA 94596-2031

64537 KDI Electronics, Inc.
Sub. of KDI Corp.
60 S. Jefferson Rd.
Wippany, NJ 07981-1001

64752 SPI, Inc.
Rt. 1, P.O. Box 42
Cropwell, AL 35054-9801

64950 Silicon Systems, Inc.
14351 Myford Rd.
Tustin, CA 92680-7022

65032 Rogers Corp.
Williams Field and Dobson Rd.
P.O. Box 700
Chandler, AZ 85224

65121 ATC-Circuit Board Co., Inc.
59 Fourth Ave.
Long Branch, NJ 07740

65634 Cord Electronics, Inc.
177 Cantiagu Rock Rd.
Westbury, NY 11590-2826

66475 Braemar
11400 Rupp Ave.
Burnsville, MN 55337

67183 Altera Corp.
3525 Monroe St.
Santa Clara, CA 95051

70485 Atlantic India Rubber Works, Inc.
571 W. Polk St.
Chicago, IL 60607

70903 Cooper Belden
Electronic Wire & Cable
Sub. of Cooper Ind.
2000 S. Bativa Ave.
Geneva, IL 60134

71279 Interconnection Products, Inc.
2601 S. Garnsey St.
Santa Ana, CA 92707

71400 Bussmann
Div. of Cooper Ind., Inc.
114 Old State Rd.
P.O. Box 14460
St. Louis, MO 63178

71468 ITT Cannon
Electric Div. of ITT
666 E. Dyer Rd.
Santa Ana, CA 92702

71482 Clare
Div. of General Instrument Corp.
3101 W. Pratt Blvd.
Chicago, IL 60645

71590 Mepco/Centralab
A North American Phillips Co.
Hwy. 20, W.
P.O. Box 858
Fort Dodge, IA 50501

71643 CHR Industries
407 East St.
New Haven, CT 06509

71785 TRW Cinch Connectors
Div. of TRW, Inc.
1501 Morse Ave.
Elk Grove Village, IL 60007

72653 GC Electronics
6820 La Tijera Blvd.
Los Angeles, CA 90045

72800 Eaton Corp.
Engineered Fasteners Div.
P.O. Box 6688
Cleveland, OH 44646

MANUFACTURER IDENTIFICATION

72982 Erie Specialty Products, Inc.
645 W. 11th St.
Erie, PA 16512

73445 Amperex Electronic Corp.
230 Duffy Ave.
Hicksville, NY 11802

73920 Kerrigan Lewis Mfg. Co.
4421 W. Rice St.
Chicago, IL 60651

74199 Quam Nichols Co.
218 E. Marquette Rd.
Chicago, IL 60637

74840 Illinois Capacitor, Inc.
3757 W. Touhy Ave.
Lincolnwood, IL 60645

75037 Minnesota Mining and Mfg. Co.
Electro Product Div.
3M Center
St. Paul, MN 55101

76385 Minor Rubber Co., Inc.
49 Ackerman St.
Bloomfield, NJ 07003

77342 AMF, Inc.
Potter & Brumfield Div.
200 Richland Creek Dr.
Princeton, IN 47671

77542 Ray-O-Vac Corp.
601 Rayovac Dr.
P.O. Box 4960
Madison, WI 53711

79136 Waldes Kohinoor, Inc.
47-16 Austel Place
Long Island City, NY 11101

79963 Zierick Mfg. Co.
Radio Circle Mt.
Kisco, NY 10549

8F189 Lowen Co., Inc.
5th & Halstead
Hutchinson, KS 67501

8K160 Unirex, Inc.
4655 E. 31st St., S.
Wichita, KS 67210-1541

80294 Bourns Instrument, Inc.
6135 Magnolia Ave.
Riverside, CA 92506

81073 Grayhill, Inc.
561 Hillgrove Ave.
P.O. Box 10373
La Grange, IL 60525

81349 Military Specifications
Promulgated by Military Dept./Agencies
Under Authority of Defense
Standardization Manual 4120 3M

82104 Standard Gribsby, Inc.
920 Rathbone Ave.
Aurora, IL 60507

82110 Gudebrod, Inc.
Griffith Towers
P.O. Box 357
Pottstown, PA 19464

82389 Switchcraft, Inc.
Sub. of Raytheon Co.
5555 N. Elstron Ave.
Chicago, IL 60630

82573 J. S. Terminal
1380 Brummel Ave.
Elk Grove Village, IL 60007

82877 Rotron, Inc.
Custom Div.
7 Hasbrouck Lane
Woodstock, NY 12498

83330 Daylight Corp.
Manasquan Div.
1913 Atlantic Ave.
Manasquan, NJ 08736

83701 Electronic Devices, Inc.
21 Gray Oaks
Yonkers, NY 10710

84830 Lee Spring Co., Inc.
1462 62nd St.
Brooklyn, NY 11219

86928 Seastrom Mfg. Co., Inc.
701 Sonora Ave.
Glendale, CA 91201

88245 Winchester Electronics
Litton Systems, Useco Div.
13536 Saticoy St.
Van Nuys, CA 91409

9L981 National Transformer
100 S. Minnesota
Drawer 130
Cape Girardeau, MO 63701-6033

MANUFACTURER IDENTIFICATION

90201 Mallory Capacitor Co.
Sub. of Emhart Industries, Inc.
4760 Kentucky Ave.
P.O. Box 372
Indianapolis, IN 46206

91506 Augat, Inc.
33 Perry Ave.
P.O. Box 799
Attleboro, MA 02703

91637 Dale Electronics, Inc.
2064 12th Ave.
P.O. Box 609
Columbus, NE 680

91662 ELCO Corp.
Connector Div.
Huntingdon Industrial Park
Huntingdon, PA 16652

91833 Keystone Electronics Corp.
49 Bleeker St.
New York, NY 10012

91836 Kings Electronics Co., Inc.
40 Marbledale Rd.
Tuckahoe, NY 10707-3420

92194 Alpha Wire Corp.
711 Lidgerwood Ave.
Elizabeth, NJ 07207

92218 The Wakefield Corp.
29 Foundry St.
Wakefield, MA 01880

92219 Waldom Electronics, Inc.
4301 W. 69th St.
Chicago, IL 60629

93459 Weinschel Engineering Co.
1 Weinschel Ln.
Gaithersburg, MD 20877

93785 Braun Mfg. Co., Inc.
1655 N. Kostner Ave.
Chicago, IL 60639

94222 Southco, Inc.
210 N. Brinton Lake Rd.
Concordville, PA 19331

94696 Magnecraft Electric Co.
5575 N. Lynch Ave.
Chicago, IL 60630

95077 Solitron Devices, Inc.
Microwave Div.
Cove Rd.
P.O. Box 278
Port Salerno, FL 33492

95086 Technitrol, Inc.
Transformer Div.
1952 E. Allegheny Ave.
Philadelphia, PA 19134

95146 ALCO Electronic Products, Inc.
1551 Osgood St.
North Andover, MA 01845

96182 Eaton Corp.
Aerospace and Commercial Cont. Div.
MSC. Products
1640 Monrovia Ave.
Costa Mesa, CA 92627

96341 Microwave Associates, Inc.
Sub. of M/A-COM, Inc.
Northwest Industrial Park South Ave.
Burlington, MA 01803

96906 Military Standards
Promulgated by Military Departments
Under Authority of Defense
Standardization Manual 4120 3-M

97525 EECO, Inc.
1601 E. Chestnut Ave.
Santa Ana, CA 92701

98291 Sealectro Corp.
BICC Electronics
40 Lindeman Dr.
Trumbull, CT 06611-4739

98668 Amphenol Div.
Sub. of Allied Corp.
York Opns.
1600 Pennsylvania Ave
York, PA 17404

99800 American Precision Ind., Inc.
Delevan Division
270 Quaker Rd.
East Aurora, NY 14052

PARTS LISTING

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
1 -			BULK ITEMS LISTING			REF
1		1050-0000-013	SILICONE, RTV (RTV128)	03508		A/R
2		1050-0000-019	COMPOUND, THERMAL (120-5)	92218		A/R
3		1050-0000-020	ADHESIVE, RUBBER (1300)	34359		A/R
4		1050-0000-021	Q-DOPE (10-3702)	80112		A/R
5		1050-0000-047	ADHESIVE, LOC-TITE 222 (222-21)	05972		A/R
6		1050-0000-048	PAINT, CONDUCTIVE SILVER (350FASTDRYING)	27908		A/R
7		1050-0000-070	WIRE, BUS 16 GA (8013)	70903		A/R
8		1050-0000-071	WIRE, BUS 18 GA (8019)	70903		A/R
9		1050-0000-072	WIRE, BUS 20 GA (8020)	70903		A/R
10		1050-0000-073	WIRE, BUS 22 GA (298)	92194		A/R
11		1050-0000-074	WIRE, BUS 24 GA (299)	92194		A/R
12		1050-0000-075	WIRE, BUS 26 GA (299-1)	92194		A/R
13		1050-0000-076	WIRE, BUS 28 GA (8024)	70903		A/R
14		1050-0000-091	TAPE, DBL SIDED (410)	34359		A/R
15		1050-0000-114	CORD, LACING #3 NYLON (GUDELACE18NATURAL)	82110		A/R
16		1050-0000-140	ADHESIVE, LOC-TITE QUICK-SET 404 (465-51)	05972		A/R
17		1050-0000-170	TAPE, VINYL FOAM 3/4, DBL SIDED (4432)	34359		A/R
18		1050-0000-208	TAPE, ALUMINUM 3/4 (431)	34359		A/R
19		1050-0000-226	BEAD, GLASS			A/R
20		1050-5003-100	TAPE, VINYL FOAM 3/4 SGL SIDED (4516)	34359		A/R
21		1051-0100-100	ADHESIVE, LOC-TITE TAK-PAK (12292TAKPAK)	05972		A/R
22		1051-0100-200	ADHESIVE, LOC-TITE (290-21)	05972		A/R
23		1051-5000-500	TAPE, ALUMINUM 1/2 (425-1/2)	34359		A/R
24		1051-5002-100	TAPE, GLASS CLOTH (27)	34359		A/R
25		1051-5201-025	TAPE, MYLAR 1/4 (M54)	UNK040		A/R
26		2400-0000-002	TRIM, RUBBER BLK (62-3/32B7)	57137		A/R
27		6000-0001-000	WIRE, BUS 30 GA (299-3)	92194		A/R
28		6000-0002-000	WIRE, WRAP 30 GA, RED (M430-3)	62132		A/R
29		6000-0003-000	WIRE, MAGNET 30 GA, ENAM CTD (8055)	70903		A/R
30		6000-0003-001	WIRE, MAGNET 26 GA, ENAM CTD (8053)	70903		A/R
31		6000-5010-120	WIRE, SOLID 12 GA (12GABC)	00795		A/R
32		6000-6010-180	WIRE, MAGNET 18 GA, ENAM CTD (8049)	70903		A/R
33		6000-6010-220	WIRE, MAGNET 22 GA, ENAM CTD (8051)	70903		A/R
34		6000-6010-280	WIRE, MAGNET 28 GA, ENAM CTD (8054)	70903		A/R
35		6000-6010-320	WIRE, MAGNET 32 GA, ENAM CTD (8056)	70903		A/R
36		6000-6010-380	WIRE, MAGNET 38 GA, ENAM CTD (8045)	70903		A/R
37		6000-6050-160	WIRE, MAGNET 16 GA, ENAM CTD (8048)	70903		A/R
38		6000-6050-200	WIRE, MAGNET 20 GA, ENAM CTD (8050)	70903		A/R
39		6000-6050-220	WIRE, MAGNET 22 GA, ENAM CTD (8051)	70903		A/R
40		6000-6050-260	WIRE, MAGNET 26 GA, ENAM CTD (8053)	70903		A/R
41		6000-6990-340	WIRE, 2S MAGNET 34 GA, RED/GRN (34HPNBF)	73920		A/R
42		6001-0000-001	WIRE, 7S 18 GA, BLK (TFE,18GA,7S,BLK)	12515		A/R
43		6001-0000-002	WIRE, 7S 18 GA, BRN (TFE,18GA,7S,BRN)	12515		A/R
44		6001-0000-003	WIRE, 7S 18 GA, RED (TFE,18GA,7S,RED)	12515		A/R
45		6001-0000-004	WIRE, 7S 18 GA, ORN (TFE,18GA,7S,ORN)	12515		A/R
46		6001-0000-005	WIRE, 7S 18 GA, YEL (TFE,18GA,7S,YEL)	12515		A/R
47		6001-0000-006	WIRE, 7S 18 GA, GRN (TFE,18GA,7S,GRN)	12515		A/R
48		6001-0000-007	WIRE, 7S 18 GA, BLU (TFE,18GA,7S,BLU)	12515		A/R
49		6001-0000-008	WIRE, 7S 18 GA, VIO (TFE,18GA,7S,VIO)	12515		A/R
50		6001-0000-011	WIRE, 7S 18 GA, WHT/BLK (TFE,18GA,7S,WHT/BLK)	12515		A/R
51		6001-0000-013	WIRE, 7S 18 GA, WHT/RED (TFE,18GA,7S,WHT/RED)	12515		A/R
52		6001-0000-016	WIRE, 7S 18 GA, WHT/GRN (TFE,18GA,7S,WHT/GRN)	12515		A/R
53		6001-2000-001	WIRE, 19S 14 GA, BLK (5859)	92194		A/R
54		6001-5000-001	WIRE, 7S 20 GA, BLK (TFE,20GA,7S,BLK)	12515		A/R
55		6001-5000-003	WIRE, 7S 20 GA, RED (TFE,20GA,7S,RED)	12515		A/R
56		6001-5000-004	WIRE, 7S 20 GA, ORN (TFE,20GA,7S,ORN)	12515		A/R
57		6001-5000-005	WIRE, 7S 20 GA, YEL (TFE,20GA,7S,YEL)	12515		A/R
58		6001-5000-006	WIRE, 7S 20 GA, GRN (TFE,20GA,7S,GRN)	12515		A/R

CONTINUED ON NEXT PAGE

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
1 - 59		6001-5000-007	WIRE, 7S 20 GA, BLU (TFE,20GA,7S,BLU)	12515		A/R
60		6001-5000-008	WIRE, 7S 20 GA, VIO (TFE,20GA,7S,VIO)	12515		A/R
61		6001-5000-009	WIRE, 7S 20 GA, GRY (TFE,20GA,7S,GRY)	12515		A/R
62		6001-5000-010	WIRE, 7S 20 GA, WHT (TFE,20GA,7S,WHT)	12515		A/R
63		6002-0000-001	WIRE, 7S 22 GA, BLK (TFE,22GA,7S,BLK)	12515		A/R
64		6002-0000-002	WIRE, 7S 22 GA, BRN (TFE,22GA,7S,BRN)	12515		A/R
65		6002-0000-003	WIRE, 7S 22 GA, RED (TFE,22GA,7S,RED)	12515		A/R
66		6002-0000-004	WIRE, 7S 22 GA, ORN (TFE,22GA,7S,ORN)	12515		A/R
67		6002-0000-005	WIRE, 7S 22 GA, YEL (TFE,22GA,7S,YEL)	12515		A/R
68		6002-0000-006	WIRE, 7S 22 GA, GRN (TFE,22GA,7S,GRN)	12515		A/R
69		6002-0000-007	WIRE, 7S 22 GA, BLU (TFE,22GA,7S,BLU)	12515		A/R
70		6002-0000-008	WIRE, 7S 22 GA, VIO (TFE,22GA,7S,VIO)	12515		A/R
71		6002-0000-009	WIRE, 7S 22 GA, GRY (TFE,22GA,7S,GRY)	12515		A/R
72		6002-0000-010	WIRE, 7S 22 GA, WHT (TFE,22GA,7S,WHT)	12515		A/R
73		6002-0000-011	WIRE, 7S 22 GA, WHT/BLK (TFE,22GA,7S,WHT/BLK)	12515		A/R
74		6002-0000-012	WIRE, 7S 22 GA, WHT/BRN (TFE,22GA,7S,WHT/BRN)	12515		A/R
75		6002-0000-013	WIRE, 7S 22 GA, WHT/RED (TFE,22GA,7S,WHT/RED)	12515		A/R
76		6002-0000-014	WIRE, 7S 22 GA, WHT/ORN (TFE,22GA,7S,WHT/ORN)	12515		A/R
77		6002-0000-015	WIRE, 7S 22 GA, WHT/YEL (TFE,22GA,7S,WHT/YEL)	12515		A/R
78		6002-0000-016	WIRE, 7S 22 GA, WHT/GRN (TFE,22GA,7S,WHT/GRN)	12515		A/R
79		6002-0000-017	WIRE, 7S 22 GA, WHT/BLU (TFE,22GA,7S,WHT/BLU)	12515		A/R
80		6002-0000-018	WIRE, 7S 22 GA, WHT/VIO (TFE,22GA,7S,WHT/VIO)	12515		A/R
81		6002-0000-019	WIRE, 7S 22 GA, WHT/GRY (TFE,22GA,7S,WHT/GRY)	12515		A/R
82		6003-0000-001	WIRE, 7S 26 GA, BLK (TFE,26GA,7S,BLK)	12515		A/R
83		6003-0000-002	WIRE, 7S 26 GA, BRN (TFE,26GA,7S,BRN)	12515		A/R
84		6003-0000-003	WIRE, 7S 26 GA, RED (TFE,26GA,7S,RED)	12515		A/R
85		6003-0000-004	WIRE, 7S 26 GA, ORN (TFE,26GA,7S,ORN)	12515		A/R
86		6003-0000-005	WIRE, 7S 26 GA, YEL (TFE,26GA,7S,YEL)	12515		A/R
87		6003-0000-006	WIRE, 7S 26 GA, GRN (TFE,26GA,7S,GRN)	12515		A/R
88		6003-0000-007	WIRE, 7S 26 GA, BLU (TFE,26GA,7S,BLU)	12515		A/R
89		6003-0000-008	WIRE, 7S 26 GA, VIO (TFE,26GA,7S,VIO)	12515		A/R
90		6003-0000-009	WIRE, 7S 26 GA, GRY (TFE,26GA,7S,GRY)	12515		A/R
91		6003-0000-010	WIRE, 7S 26 GA, WHT (TFE,26GA,7S,WHT)	12515		A/R
92		6003-0000-011	WIRE, 7S 26 GA, WHT/BLK (TFE,26GA,7S,WHT/BLK)	12515		A/R
93		6003-0000-012	WIRE, 7S 26 GA, WHT/BRN (TFE,26GA,7S,WHT/BRN)	12515		A/R
94		6003-0000-013	WIRE, 7S 26 GA, WHT/RED (TFE,26GA,7S,WHT/RED)	12515		A/R
95		6003-0000-014	WIRE, 7S 26 GA, WHT/ORN (TFE,26GA,7S,WHT/ORN)	12515		A/R
96		6003-0000-015	WIRE, 7S 26 GA, WHT/YEL (TFE,26GA,7S,WHT/YEL)	12515		A/R
97		6003-0000-016	WIRE, 7S 26 GA, WHT/GRN (TFE,26GA,7S,WHT/GRN)	12515		A/R
98		6003-0000-017	WIRE, 7S 26 GA, WHT/BLU (TFE,26GA,7S,WHT/BLU)	12515		A/R
99		6003-0000-018	WIRE, 7S 26 GA, WHT/VIO (TFE,26GA,7S,WHT/VIO)	12515		A/R
100		6003-0000-019	WIRE, 7S 26 GA, WHT/GRY (TFE,26GA,7S,WHT/GRY)	12515		A/R
101		6003-0001-000	WIRE, SOLID 30 GA, BLK (30TE130BLK)	UNK021		A/R
102		6003-0001-001	WIRE, SOLID 30 GA, BRN (30TE130BRN)	UNK021		A/R

CONTINUED ON NEXT PAGE

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
1 -103		6003-0001-002	WIRE, SOLID 30 GA, RED (30TE130RED)	UNK021		A/R
104		6003-0001-003	WIRE, SOLID 30 GA, ORN (30TE130ORN)	UNK021		A/R
105		6003-0001-004	WIRE, SOLID 30 GA, YEL (30TE130YEL)	UNK021		A/R
106		6003-0001-005	WIRE, SOLID 30 GA, GRN (30TE130GRN)	UNK021		A/R
107		6003-0001-006	WIRE, SOLID 30 GA, BLU (30TE130BLU)	UNK021		A/R
108		6003-0001-007	WIRE, SOLID 30 GA, VIO (30TE130VIO)	UNK021		A/R
109		6003-0001-008	WIRE, SOLID 30 GA, GRY (30TE130GRY)	UNK021		A/R
110		6003-0001-009	WIRE, SOLID 30 GA, WHT (30TE130WHT)	UNK021		A/R
111		6004-6005-400	TY-RAP 4.0 (T18R)	53421		A/R
112		6004-6005-550	TY-RAP 5.5 (T18I)	53421		A/R
113		6006-5253-900	SLEEVE			A/R
114		6006-5254-001	SLEEVE			A/R
115		6006-5257-900	SLEEVE			A/R
116		6006-5260-200	SLEEVE			A/R
117		6007-0000-001	TIP, VINYL RED (.375ID,1.00LG T.W.)	15819		A/R
118		6009-0001-000	FLEXSTRIP 180 CNDCT, 1 (FSN21A180)	15912		A/R
119		6009-0002-000	FLEXSTRIP 180 CNDCT, 2 (FSN22A180)	15912		A/R
120		6010-0063-200	TUBING, HS 1/16, BLK (FIT221-1/16BLK)	92194		A/R
121		6010-0094-200	TUBING, HS 3/32, BLK (FIT221-3/32BLK)	92194		A/R
122		6010-0125-100	TUBING, HS 1/8, CLR (FIT221-1/8CLR)	92194		A/R
123		6010-0125-200	TUBING, HS 1/8, BLK (FIT221-1/8BLK)	92194		A/R
124		6010-0188-100	TUBING, HS 3/16, CLR (FIT221-3/16CLR)	92194		A/R
125		6010-0188-200	TUBING, HS 3/16, BLK (FIT221-3/16BLK)	92194		A/R
126		6010-0250-200	TUBING, HS 1/4, BLK (FIT221-1/4BLK)	92194		A/R
127		6010-0375-200	TUBING, HS 3/8, BLK (FIT221-3/8BLK)	92194		A/R
128		6010-0375-300	TUBING, HS 3/8, WHT (RNF100-3/8M63)	06090		A/R
129		6010-0500-100	TUBING, HS 1/2, CLR (FIT221-1/2CLR)	92194		A/R
130		6010-0750-100	TUBING, HS 3/4, CLR (RNF100TYPE2CLR)	06090		A/R
131		6010-0750-200	TUBING, HS 3/4, BLK (RNF100-3/4M63)	06090		A/R
132		6010-3000-300	TUBING, HS 3, WHT (FIT221-3)	92194		A/R
133		6011-0018-001	TUBING, TFL 26 GA, NAT (26TFETWNAT)	32039		A/R
134		6011-0022-001	TUBING, TFL 24 GA, NAT (24TFETWNAT)	32039		A/R
135		6011-0027-001	TUBING, TFL 22 GA, NAT (22TFETWNAT)	32039		A/R
136		6011-0034-000	TUBING, TFL 20 GA, NAT (20TFETWNAT)	32039		A/R
137		6011-0042-000	TUBING, TFL 18 GA, NAT (18TFETWNAT)	32039		A/R
138		6011-0053-001	TUBING, TFL 16 GA, NAT (16TFETWNAT)	32039		A/R
139		6011-0085-000	TUBING, TFL 12 GA, NAT (12TFETWNAT)	32039		A/R
140		6011-0106-001	TUBING, TFL 10 GA, NAT (10TFETWNAT)	32039		A/R
141		6012-0034-100	TUBING, PVC 20 GA, CLR (PVC105-20CLR)	92194		A/R
142		6012-0053-100	TUBING, PVC 16 GA, CLR (PVC105-16CLR)	92194		A/R
143		6012-0076-100	TUBING, PVC 13 GA, CLR (PVC105-13CLR)	92194		A/R
144		6012-0085-100	TUBING, PVC 12 GA, CLR (PVC105-12CLR)	92194		A/R
145		6012-0085-200	TUBING, PVC 12 GA, BLK (PVC105-12BLK)	92194		A/R
146		6012-0106-100	TUBING, PVC 10 GA, CLR (PVC105-10CLR)	92194		A/R
147		6012-0106-200	TUBING, PVC 10 GA, BLK (PVC105-10BLK)	92194		A/R
148		6012-0166-100	TUBING, PVC 6 GA, CLR (PVC105-6CLR)	92194		A/R
149		6012-0186-100	TUBING, PVC 5 GA, CLR (PVC105-5CLR)	92194		A/R
150		6012-0186-110	TUBING, PVC 5 GA, NAT (PVC80-5NAT)	92194		A/R
151		6012-0208-110	TUBING, PVC 4 GA, NAT (PVC80-4NAT)	92194		A/R
152		6012-0313-100	TUBING, PVC 5/16, CLR (PVC105-5/16CLR)	92194		A/R
153		6012-0313-110	TUBING, PVC 5/16, NAT (PVC80-5/16CLR)	92194		A/R
154		6012-0375-100	TUBING, PVC 3/8, CLR (PVC105-3/8CLR)	92194		A/R
155		6013-0263-000	TUBING, PIF 2 GA, BLK (PIF130-2BLK)	92194		A/R
156		6013-0375-000	TUBING, PIF 3/8, BLK (PIF130-3/8BLK)	92194		A/R
157		6013-0438-000	TUBING, PIF 7/16, BLK (PIF130-7/16BLK)	92194		A/R
158		6013-0500-000	TUBING, PIF 1/2, BLK (PIF130-1/2BLK)	92194		A/R
159		6013-0875-000	TUBING, PIF 7/8, BLK (PIF130-7/8BLK)	92194		A/R
160		6013-1000-000	TUBING, PIF 1, BLK (PIF130-1BLK)	92194		A/R
161		6014-0500-100	TUBING, SIF 1/2, WHT (SIF200-1/2)	07547		A/R
162		6015-0375-000	TUBING, VIN 3/8, BLK (ZIZ0375SHN3B3/8)	07240		A/R
163		6015-0500-000	TUBING, VIN 1/2, BLK (VIN66AS1/2BLK)	07240		A/R

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
1 -164		6015-1500-600	TUBING, VIN 1.5 FLAT, BLK (VIN66AS-1.5FLATBLK)	07240		A/R
165		6016-1750-040	TUBING, PVC 1.75 FLAT, BLK (PVC105-1.75FLATBLK)	07240		A/R
166		6040-0000-002	SHIELD, CABLE 1/8 (8660)	70903		A/R
167		6040-0010-012	CORD, SHIELD ALUMINUM MESH (20-21110)	53217		A/R
168		6040-0100-020	CABLE, RIBBON 20 CNDCT, 28 GA (3583-20)	92194		A/R
169		6040-0100-024	CABLE, RIBBON 24 CNDCT, 28 GA (3583-24)	92194		A/R
170		6040-0100-025	CABLE, RIBBON 25 CNDCT, 28 GA (3583-25)	92194		A/R
171		6040-0100-026	CABLE, RIBBON 26 CNDCT, 28 GA (55-2628-11)	88245		A/R
172		6040-0100-034	CABLE, RIBBON 34 CNDCT, 28 GA (3302-34)	75037		A/R
173		6040-0100-037	CABLE, RIBBON 37 CNDCT, 28 GA (3581-37)	92194		A/R
174		6040-0100-040	CABLE, RIBBON 40 CNDCT, 28 GA (3581-40)	92194		A/R
175		6040-0100-050	CABLE, RIBBON 50 CNDCT, 28 GA (3583-50)	92194		A/R
176		6040-0100-060	CABLE, RIBBON 60 CNDCT, 28 GA (3304-60)	75037		A/R
177		6040-0101-020	CABLE, RIBBON 20 CNDCT, 26 GA (3811-20)	75037		A/R
178		6040-0101-025	CABLE, RIBBON 25 CNDCT, 28 GA (171-25)	15912		A/R
179		6040-0102-010	CABLE, RIBBON 10 CNDCT, 26 GA (3811-10)	75037		A/R
180		6040-0300-008	CABLE, RIBBON 8 CNDCT, 22 GA (3391-8)	75037		A/R
181		6040-0300-012	CABLE, RIBBON 12 CNDCT, 18 GA (8132-12)	75037		A/R
182		6040-4049-000	CABLE, TRIAX FLEX (15-12437)	12515		A/R
183		6040-4058-001	CABLE, TRIAX FLEX, RG-58A/U (RG58AU)	28105		A/R
184		6040-4142-200	CABLE, COAX FLEX, RG-142B/U (RG142BU)	28105		A/R
185		6040-4223-000	CABLE, COAX FLEX, RG-223/U (9223)	92194		A/R
186		6040-7050-420	CABLE, SHIELDED 2 CNDCT, 22 GA (6632)	92194		A/R
187		6040-7050-421	CABLE, SHIELDED 2 CNDCT, 22 GA (7632A)	92194		A/R
188		6040-7050-431	CABLE, SHIELDED 3 CNDCT, 22 GA (7633)	92194		A/R
189		6040-7050-440	CABLE, SHIELDED & TWISTED 3 CNDCT, 22 GA (8777)	70903		A/R
190		6040-7051-501	CABLE, SHIELDED 1 CNDCT, 24 GA (7621WHT)	92194		A/R
191		6040-7160-510	CABLE, SHIELDED 10 CNDCT, 24 GA (5100-10)	92194		A/R
192		6040-7725-501	CABLE, SHIELDED 1 CNDCT, 24 GA (M1211)	62132		A/R
193		6040-9010-601	CABLE, SHIELDED 1 CNDCT, 25 GA (8411)	70903		A/R
194		6042-0000-004	CABLE, RIBBON 16 CNDCT, 28 GA (3583-16)	92194		A/R
195		6042-0000-007	CABLE, COAX FLEX, RG-316/U (RG316U)	12515		A/R
196		8020-0000-602	SHIM, BRASS .005 BRASS SHIM	14882		A/R

NOTE: THIS LISTING IS COMPILED TO PROVIDE PART NUMBERS OF COMMONLY USED BULK ITEMS. THIS FIGURE IS NOT ILLUSTRATED. ITEM NUMBERS ARE PROVIDED FOR LOCATION OF LINE ON WHICH THE PART NUMBER APPEARS.

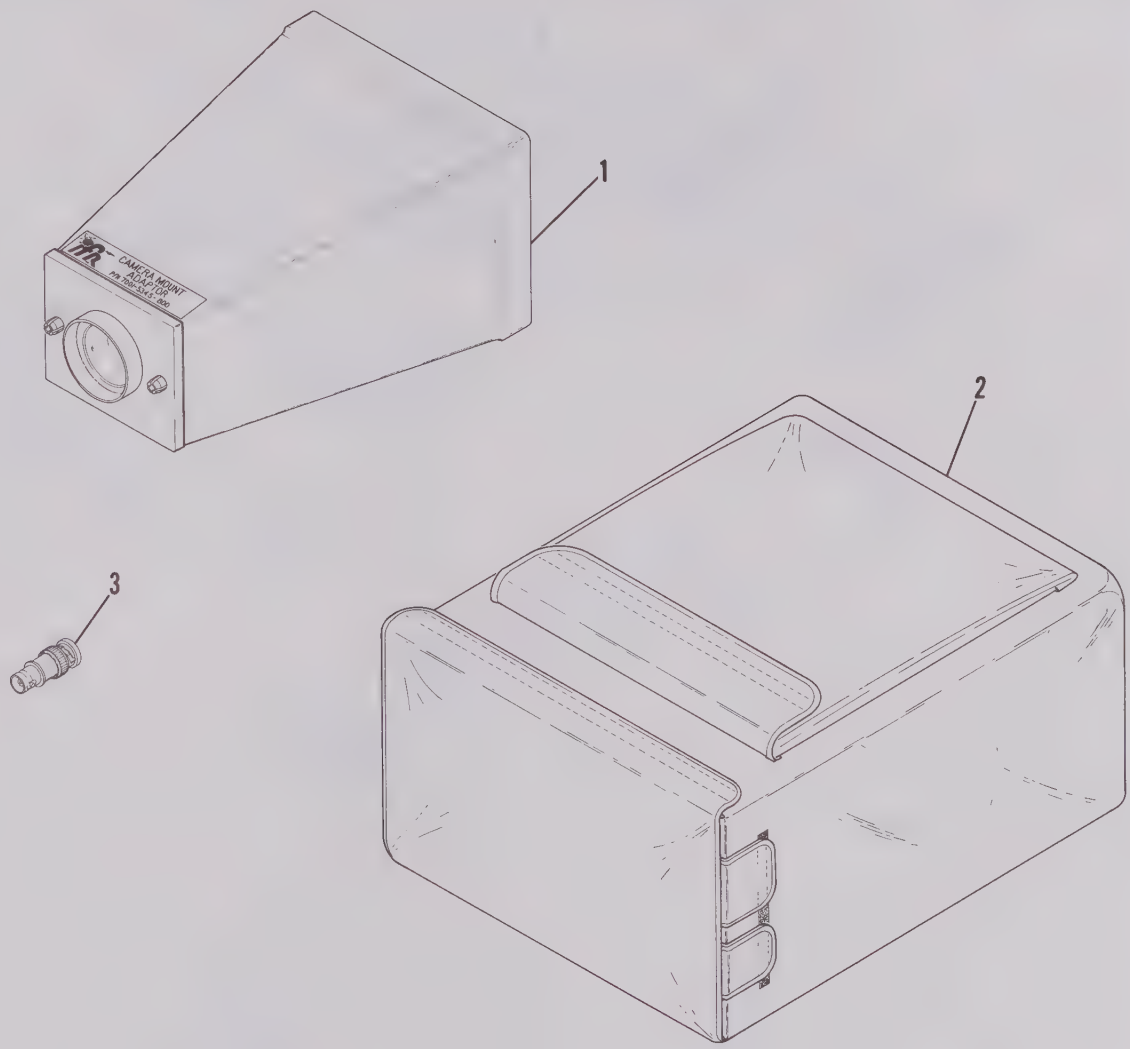
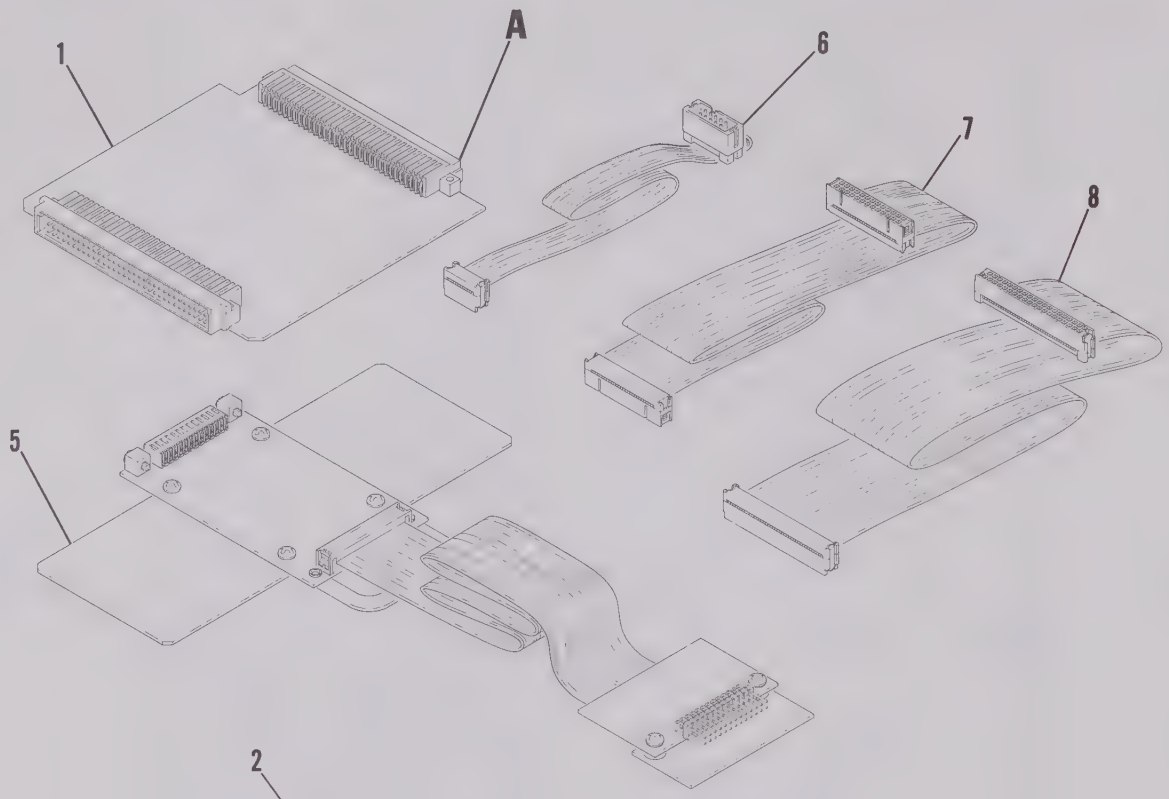
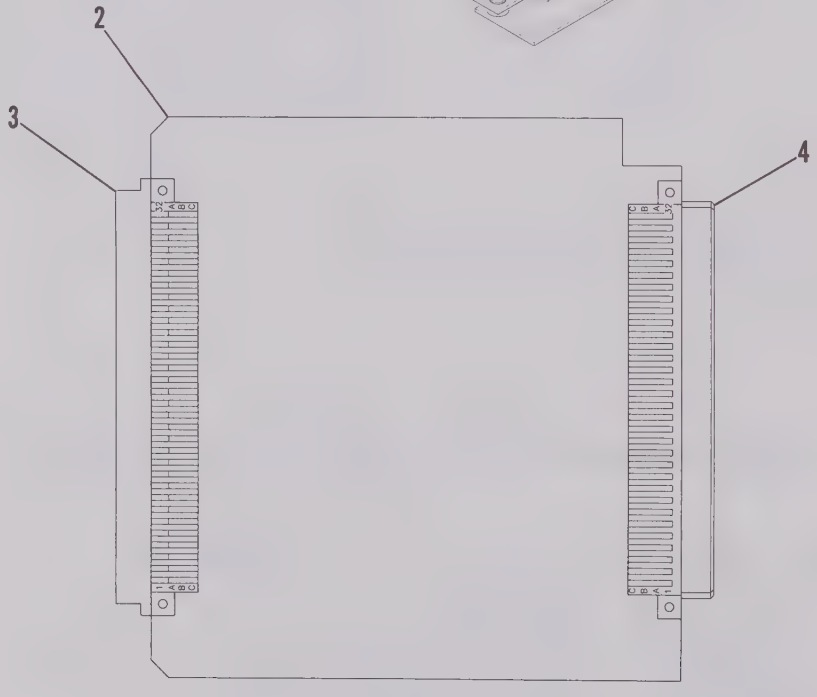


FIGURE 2 ACCESSORIES

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION		FSCM	EFF	QTY
2 -			ACCESSORIES				NP
1		7001-5345-800	CAMERA MOUNT				1
2		1412-0005-004	CARRYING CASE, NYLON				1
3		2901-9001-100	75 OHM ADAPTER (57Z-BNC-BNC)	BNC/BNC	61162		1
		SEE FIG 3	MAINTENANCE KIT				1
		SEE FIG 5	+20 dB EXTERNAL AMP ASSEMBLY				1
		SEE FIG 6	75 OHM ADAPTER	BNC/F			1





DETAIL **A**

FIGURE 3 MAINTENANCE KIT

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
3 -			MAINTENANCE KIT			NP
1		7010-5335-100	DIGITAL EXTENDER PC BOARD ASSEMBLY			1
2		1700-5325-100	DIGITAL EXTENDER PC BD			1
3		2129-1002-196	CONNECTOR, HEADER (533205-1)	00779		1
4		2129-1004-096	CONNECTOR, HEADER (531796-1)	00779		1
5		SEE FIG 4	EXTENDER PC BOARD ASSEMBLY			1
6		6045-5385-200	CABLE ASSY, RIBBON EXTENDER - CRT			1
7		6045-5385-100	CABLE ASSY, RIBBON INTFC - CONT PROCESSOR			1
8		6045-5385-300	CABLE ASSY, RIBBON SWEEP DIGITIZER - VID PROCESSOR			1

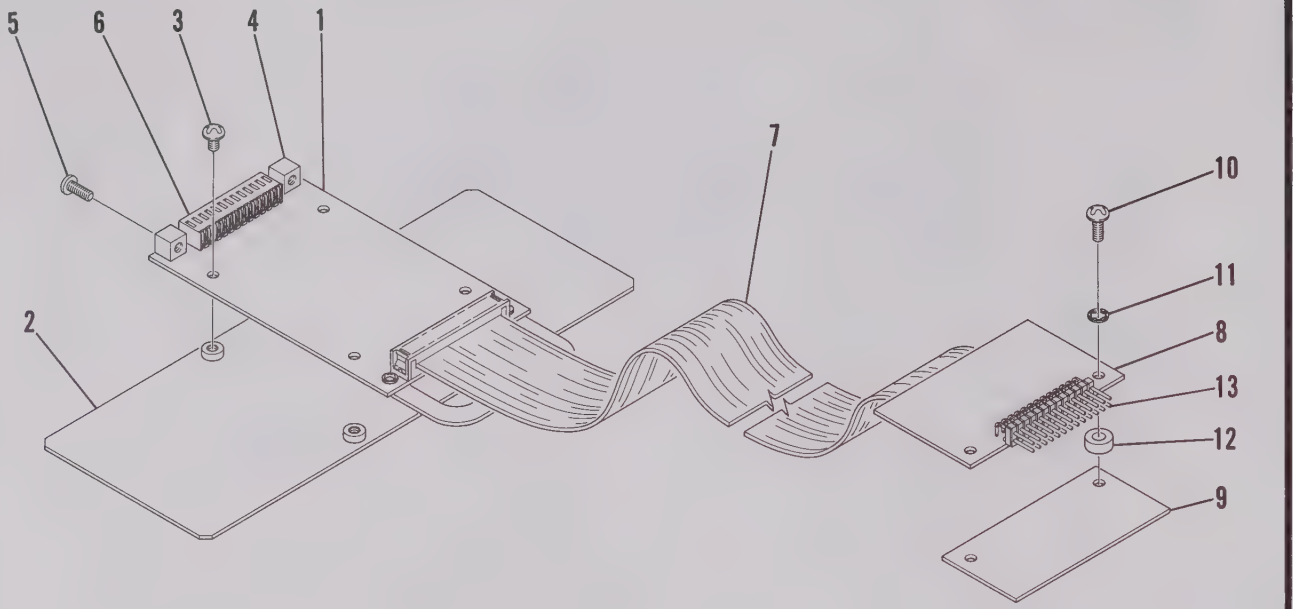
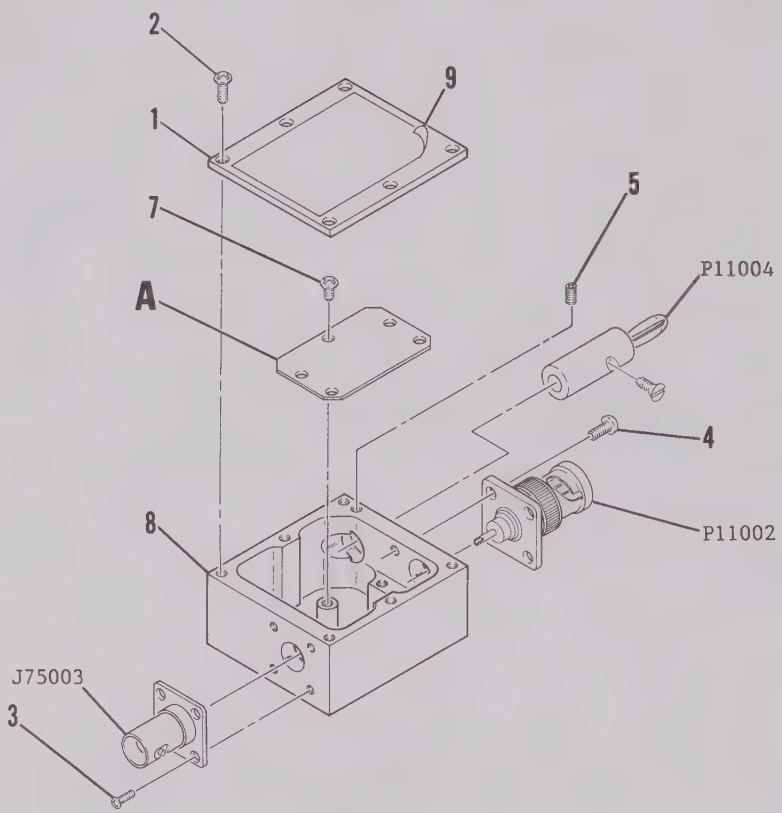
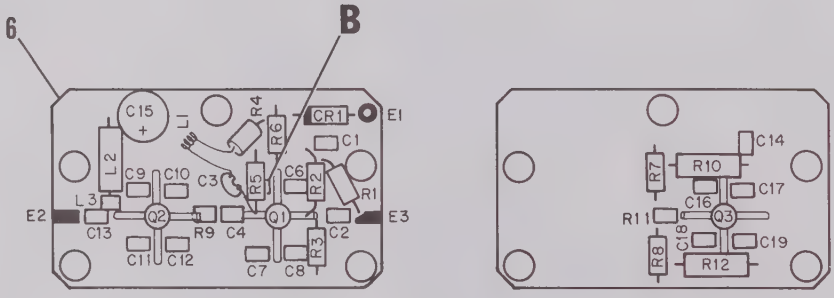


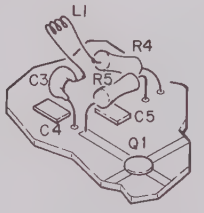
FIGURE 4 EXTENDER PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
4 -		7010-5330-400	EXTENDER PC BOARD ASSEMBLY SEE FIG 3 FOR NHA			REF
1		1700-5320-400	EXTENDER PC BD ASSY MOTHERBOARD			1
2		2506-5350-500	PLATE ASSY, EXTENDER BOARD			1
			ATTACHING PARTS			
3		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		4
			---*---			
4		2100-0000-100	NUT, SWAGE 4-40 (2040B)	83330		2
5		2803-0375-050	SCREW, NYLON (4-40 X 3/8 SPHM)	UNK015		2
6		2129-0186-226	CONNECTOR, HEADER (15-29-5026)	27264		1
7		6045-5384-400	CABLE ASSY, RIBBON			1
		7010-5336-700	CAN EXTENDER PC BOARD ASSEMBLY			1
8		1700-5326-700	EXTENDER PC BD CAN			1
			ATTACHING PARTS			
9		4104-5362-602	PLATE, GUIDE			1
10		2803-0375-006	SCREW (4-40 X 3/8 PPHM)	UNK015		2
11		2840-0000-003	WASHER, LOCK (#4INT TOOTH LOCKWASH)	UNK015		2
			---*---			
12		2800-7600-150	SPACER			2
13		2119-1090-126	CONNECTOR, WAFER (65945-126)	UNK001		1





DETAIL **A**



DETAIL **B**

FIGURE 5 +20 dB EXTERNAL AMP ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
5 -		7005-5346-000	+20 dB EXTERNAL AMP ASSEMBLY SEE FIG 2 FOR NHA			REF
1		1414-5363-300	COVER, ENCLOSURE			1
			ATTACHING PARTS			
2		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		6
			---*---			
	J75003	2105-7627-400	CONNECTOR, BNC			1
			ATTACHING PARTS			
3		2801-0250-006	SCREW (2-56 X 1/4 PPHM)	UNK015		4
			---*---			
	P11002	2113-0000-019	CONNECTOR, BNC (UG1104 A/U)	91836		1
			ATTACHING PARTS			
4		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		4
			---*---			
	P11004	2161-1755-002	CONNECTOR, BANNANA PLUG RED (204-102)	83330		1
			ATTACHING PARTS			
5		2803-0125-001	SCREW (4-40 X 1/8 SHS)	UNK015		1
			---*---			
6		7010-5335-700	+20 dB EXTERNAL AMP PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
7		2803-0125-006	SCREW (4-40 X 1/8 PPHM)	UNK015		5
			---*---			
	C76001	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C76002	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C76003	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C76004	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C76005	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C76006	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C76007	1523-0000-007	CAPACITOR 1 µF, 25 V (C1005C104K5GAC)	61637		1
	C76008	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C76009	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C76010	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C76011	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C76012	1523-0000-007	CAPACITOR 1 µF, 25 V (C1005C104K5GAC)	61637		1
	C76013	1523-0000-007	CAPACITOR 1 µF, 25 V (C1005C104K5GAC)	61637		1
	C76014	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C76015	1605-3360-475	CAPACITOR 33 µF, 16 V (T350H336M016AS)	31433		1
	C76016	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C76017	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C76018	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C76019	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	CR76001	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	L76002	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L76003	2750-0150-500	BEAD, FERRITE (57-180)	04850		1
	Q76001	4809-0000-013	TRANSISTOR (AT12535)	24539		1
	Q76002	4809-0000-013	TRANSISTOR (AT12535)	24539		1
	Q76003	4809-0000-013	TRANSISTOR (AT12535)	24539		1
	R76001	4701-0560-003	RESISTOR 5%, 1/8 W, 56 Ω (RLR05C560JR)	81349		1
	R76002	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R76003	4701-0272-003	RESISTOR 5%, 1/8 W, 2.7 K (RLR05C272JR)	81349		1
	R76004	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R76005	4701-0121-003	RESISTOR 5%, 1/8 W, 120 Ω (RLR05C121JR)	81349		1
	R76006	4701-0121-003	RESISTOR 5%, 1/8 W, 120 Ω (RLR05C121JR)	81349		1
	R76007	4701-0472-003	RESISTOR 5%, 1/8 W, 4.7 K (RLR05C472JR)	81349		1
	R76008	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R76009	4719-0220-002	RESISTOR 5%, 1/8 W, 22 Ω (RM73B2B229J)	59124		1
	R76010	4702-0151-003	RESISTOR 5%, 1/4 W, 150 Ω (RLR07C151JR)	81349		1
	R76011	4719-0220-002	RESISTOR 5%, 1/8 W, 22 Ω (RM73B2B229J)	59124		1
	R76012	4702-0151-003	RESISTOR 5%, 1/4 W, 150 Ω (RLR07C151JR)	81349		1
8		1415-5363-400	ENCLOSURE, BLOCK			1
9		2400-5366-400	LABEL, IDENT			1
		SEE FIG 1	WIRE, BUS 16 GA			A/R
		SEE FIG 1	WIRE, BUS 22 GA			A/R
		SEE FIG 1	WIRE, MAGNET 38 GA, ENAM CTD			A/R
		SEE FIG 1	TUBING, TFL 16 GA, NAT			A/R
		SEE FIG 1	TUBING, TFL 22 GA, NAT			A/R

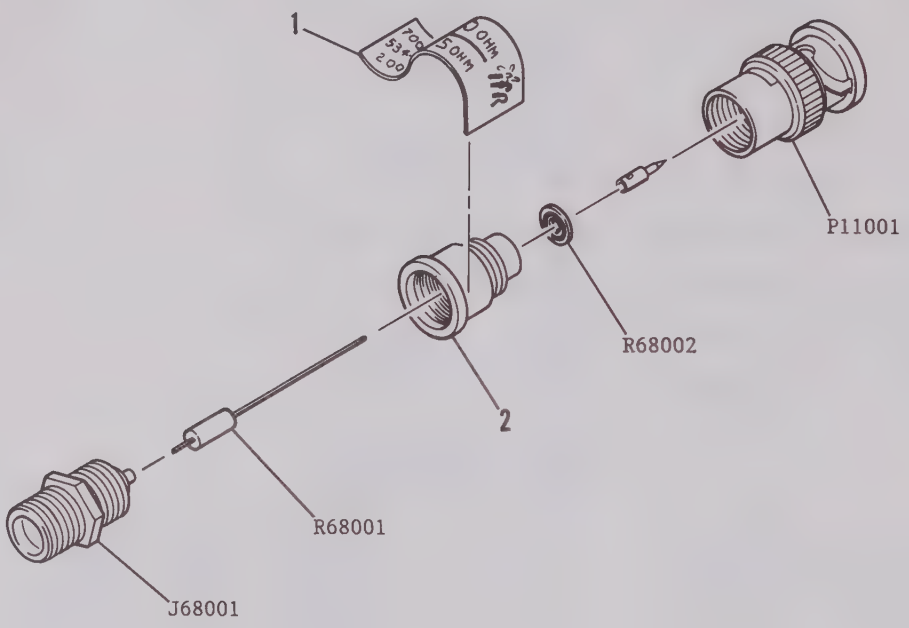


FIGURE 6 50/75 OHM ADAPTER ASSEMBLY BNC/F

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
6 -		7005-5345-000	75 OHM ADAPTER . BNC/F SEE FIG 2 FOR NHA			REF
1		2400-5363-600	LABEL, IDENT			1
	J68001	2123-0000-060	CONNECTOR, SMC (F) (#F-61A)	01113		1
	P11001	2113-0000-003	CONNECTOR, BNC (UG88U)	98668		1
2		2800-5360-600	SPACER, THREADED SPECIAL			1
	R68001	4706-4329-001	RESISTOR 1%, 1/4 W, 43.2 Ω (RLR074329FR)	81349		1
	R68002	4710-0000-003	RESISTOR, SPECIAL (67D250P-86.6-1)	64537		1

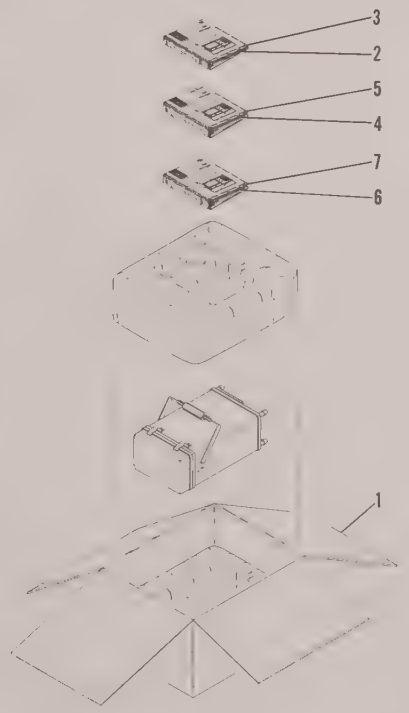


FIGURE 7 SHIPPING KIT

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
7 -			SHIPPING KIT			N/P
1		1000-1000-201	CARTON, SHIPPING W/FOAM PAD			1
2		1002-5301-000	MANUAL, OPERATION A-7550			1
3		1003-0001-000	BINDER 1 IN			1
4		1002-5301-101	MANUAL, MAINTENANCE A-7550			1
5		1003-0001-500	BINDER 1.5 IN			1
6		1002-5301-300	MANUAL, ILLUSTRATED PARTS CATALOG A-7550			1
7		1003-0001-500	BINDER 1.5 IN			1

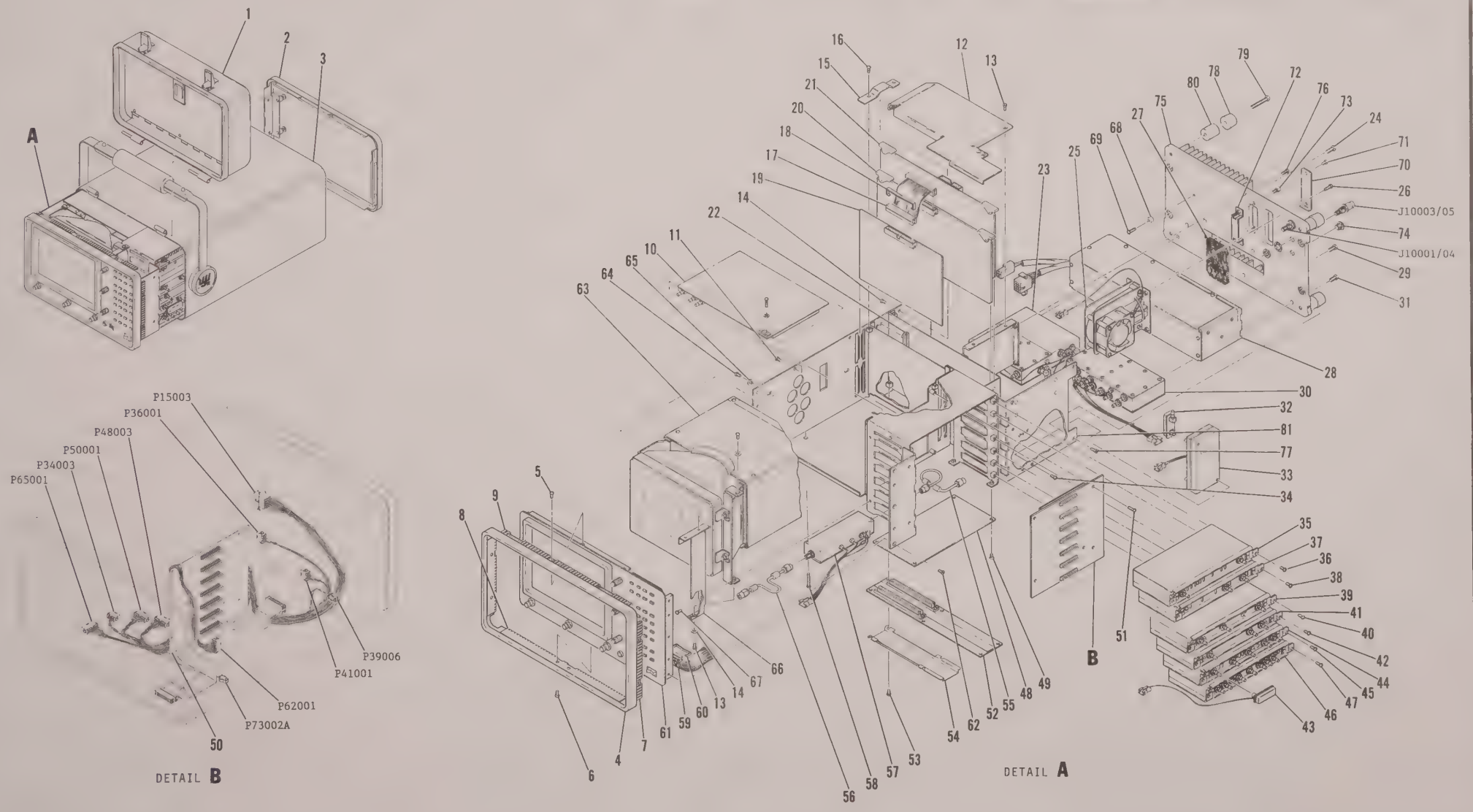


FIGURE 8 A-7550 COMPOSITE ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
8 -			A-7550 COMPOSITE ASSEMBLY			NP
1		SEE FIG 9	LID ASSEMBLY			1
2		2406-5383-200	BEZEL, REAR			1
3		SEE FIG 10	CASE ASSEMBLY			1
4		2406-5383-100	BEZEL, FRONT			1
			ATTACHING PARTS			
5		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		1
6		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		7
			---*---			
7		2845-5161-400	SHIM, GROUNDING			2
8		2845-5161-300	SHIM, GROUNDING			1
9		2845-5161-200	SHIM, GROUNDING			1
10		SEE FIG 11	INTERFACE PC BOARD ASSEMBLY			1
			INCL MTG HARDWARE			
			ATTACHING PARTS			
11		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		3
			---*---			
		3107-5366-500	INSULATOR			3
		6045-5381-901	CABLE ASSY, RIBBON INTFC-PROCESSOR-GPIB			5
12		1414-5362-300	COVER ASSY, BATTERY			1
			ATTACHING PARTS			
13		2803-0250-003	SCREW (4-40 X 1/4 PFHM)	UNK015		2
14		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		2
			---*---			
15		4503-5359-300	RETAINER, PC BOARD			1
			ATTACHING PARTS			
16		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		2
			---*---			
17		6045-5382-100	CABLE ASSY, RIBBON			1
			SWEEP DIGITIZER-VID PROCESSOR			
			ATTACHING PARTS			
18		4503-0002-040	CLIP, RETAINER (3505-8040)	75037		2
			---*---			
19		SEE FIG 12	SWEEP DIGITIZER PC BOARD ASSEMBLY			1
20		SEE FIG 13	VIDEO PROCESSOR PC BOARD ASSEMBLY			1
21		SEE FIG 14	PROCESSOR PC BOARD ASSEMBLY			1
22		4104-0003-000	GUIDE, CARD (23071-3)	18677		4
		6042-5383-500	CABLE ASSY, COAX FLEX			1
23		SEE FIG 15	RECEIVE IF ASSEMBLY			1
			ATTACHING PARTS			
24		2805-0438-006	SCREW (8-32 X 7/16 PPHM)	UNK015		2
			---*---			
25		SEE FIG 20	FAN ASSEMBLY			1
			ATTACHING PARTS			
26		2803-0438-006	SCREW (4-40 X 7/16 PPHM)	UNK015		4
			---*---			
27		2602-5462-800	SCREEN, FAN			1
28		SEE FIG 21	POWER SUPPLY ASSEMBLY			1
			ATTACHING PARTS			
29		2805-0438-006	SCREW (8-32 X 7/16 PPHM)	UNK015		3
			---*---			
		6042-5383-600	CABLE ASSY, COAX FLEX			2
30		SEE FIG 24	SECOND LO SUMMING LOOP ASSEMBLY			1
			ATTACHING PARTS			
31		2805-0438-006	SCREW (8-32 X 7/16 PPHM)	UNK015		2
			---*---			
32		SEE FIG 28	1380-2350 MHz VCO FILTER PC BOARD ASSEMBLY			1
33		SEE FIG 29	1350-2350 MHz VCO ASSEMBLY			1
			ATTACHING PARTS			
34		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		2
			---*---			

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
8 - 35		SEE FIG 31	ANALYZER LOG AMP ASSEMBLY			1
			ATTACHING PARTS			
36		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		2
			---*---			
37		SEE FIG 33	ANALYZER IF ASSEMBLY			1
			ATTACHING PARTS			
38		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		2
			---*---			
39		SEE FIG 35	SYNTHESIZER NO. 1 ASSEMBLY			1
			ATTACHING PARTS			
40		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		2
			---*---			
41		SEE FIG 37	SYNTHESIZER NO. 2 ASSEMBLY			1
			ATTACHING PARTS			
42		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		2
			---*---			
43		SEE FIG 39	BUFFER AMP PC BOARD ASSEMBLY			1
44		SEE FIG 40	FIRST LO SAMPLING LOOP ASSEMBLY			1
			ATTACHING PARTS			
45		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		2
			---*---			
46		SEE FIG 42	REFERENCE OSCILLATOR ASSEMBLY			1
			ATTACHING PARTS			
47		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		2
			---*---			
48		2506-5358-100	PLATE, COVER			1
			ATTACHING PARTS			
49		2803-0188-003	SCREW (4-40 X 3/16 PFHM)	UNK015		4
			---*---			
		7007-5384-200	WIRE HARNESS ASSY, MAIN			4
50		SEE FIG 44	RF MOTHERBOARD PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
51		2803-0438-006	SCREW (4-40 X 7/16 PPHM)	UNK015		4
			---*---			
	P15003	2115-5001-082	CONNECTOR, POLARIZED (03-06-2121)	27264		1
		2114-0000-019	CONTACT, CONN 18 - 24 GA (02-06-2132)	27264		1
	P34003	2115-9002-005	CONNECTOR, LOCKING (SMP05VB)	UNK020		1
		2114-9002-001	CONTACT, CONN 22 - 26 GA (SHF001T0.8SS)	UNK020		1
	P36001	2115-9002-005	CONNECTOR, LOCKING (SMP05VB)	UNK020		1
		2114-9002-001	CONTACT, CONN 22 - 26 GA (SHF001T0.8SS)	UNK020		1
	P39006	2115-9002-002	CONNECTOR, LOCKING (SMP02VB)	UNK020		1
		2114-9002-001	CONTACT, CONN 22 - 26 GA (SHF001T0.8SS)	UNK020		1
	P41001	2115-9002-005	CONNECTOR, LOCKING (SMP05VB)	UNK020		1
		2114-9002-001	CONTACT, CONN 22 - 26 GA (SHF001T0.8SS)	UNK020		1
	P48003	2115-9002-008	CONNECTOR, LOCKING (SMP08VB)	UNK020		1
		2114-9002-001	CONTACT, CONN 22 - 26 GA (SHF001T0.8SS)	UNK020		1
	P50001	2115-9002-008	CONNECTOR, LOCKING (SMP08VB)	UNK020		1
		2114-9002-001	CONTACT, CONN 22 - 26 GA (SHF001T0.8SS)	UNK020		1
	P62001	2115-9002-008	CONNECTOR, LOCKING (SMP08VB)	UNK020		1
		2114-9002-001	CONTACT, CONN 22 - 26 GA (SHF001T0.8SS)	UNK020		1
	P65001	2115-9002-008	CONNECTOR, LOCKING (SMP08VB)	UNK020		1
		2114-9002-001	CONTACT, CONN 22 - 26 GA (SHF001T0.8SS)	UNK020		1
	P73002A	2115-9002-002	CONNECTOR, LOCKING (SMP02VB)	UNK020		1
		2114-9002-001	CONTACT, CONN 22 - 26 GA (SHF001T0.8SS)	UNK020		1
		SEE FIG 1	WIRE, 7S 20 GA			A/R
		SEE FIG 1	WIRE, 7S 22 GA			A/R
		SEE FIG 1	WIRE, 7S 26 GA			A/R
		SEE FIG 1	TY-RAP 4.0			A/R

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
8 - 52		SEE FIG 45	DIGITAL MOTHERBOARD PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
53		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		6
54		2508-5359-200	SHIELD, COVER			1
			---*---			
55		6042-5382-600	CABLE ASSY, COAX SEMI-RIGID			1
56		6042-5382-500	CABLE ASSY, COAX SEMI-RIGID			1
57		SEE FIG 46	0/60 dB ATTTENUATOR ASSEMBLY			1
			ATTACHING PARTS			
58		2803-0875-012	SCREW (4-40 X 7/8 PPHMS)	45684		2
			---*---			
59		6045-5382-200	CABLE ASSY, RIBBON KEYBOARD			1
			ATTACHING PARTS			
60		4503-0002-016	CLIP, RETAINER (3505-8016)	75037		2
			---*---			
		4503-0002-020	CLIP, RETAINER (3505-8020)	75037		2
61		SEE FIG 48	FRONT PANEL ASSEMBLY			1
			ATTACHING PARTS			
62		2803-0250-003	SCREW (4-40 X 1/4 PFHM)	UNK015		6
			---*---			
63		SEE FIG 50	CRT DISPLAY ASSEMBLY			1
			ATTACHING PARTS			
64		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		5
65		2840-0000-008	WASHER, FLAT #4 (AN960C4)	UNK015		5
			---*---			
66		2506-5354-200	PLATE ASSY, CRT SUPPORT			1
			ATTACHING PARTS			
67		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		2
			---*---			
68		2800-0000-014	SPACER (9317A140)	1FJ15		1
			ATTACHING PARTS			
69		2803-0438-006	SCREW (4-40 X 7/16 PPHM)	UNK015		1
			---*---			
70		1414-5358-401	PLATE, COVER			1
			ATTACHING PARTS			
71		2803-0375-006	SCREW (4-40 X 3/8 PPHM)	UNK015		2
			---*---			
72		1400-5068-700	BRACKET			1
			ATTACHING PARTS			
73		2850-7601-301	SCREW, SPECIAL 4-40			2
			---*---			
74		2104-0001-206	PLUG, CAP (#2617 BLACK)	28520		1
	J10001/ J10004	2200-0410-100	CONNECTOR, BULKHEAD BNC/SMA (5526-2501-001) INCL MTG HARDWARE	19505		1
	J10003/ J10005	2200-0410-100	CONNECTOR, BULKHEAD BNC/SMA (5526-2501-001) INCL MTG HARDWARE	19505		1
75		5400-5351-500	HEAT SINK, REAR PANEL			1
			ATTACHING PARTS			
76		2803-0438-006	SCREW (4-40 X 7/16 PPHM)	UNK015		2
77		2803-0250-003	SCREW (4-40 X 1/4 PFHM)	UNK015		4
			---*---			
78		1421-0018-000	FOOT, RUBBER (18W)	UNK027		4
			ATTACHING PARTS			
79		2805-1250-006	SCREW (8-32 X 1 1/4 PPHM)	UNK015		1
80		2800-5257-300	SPACER			1
			---*---			
81		6500-5381-000	CHASSIS ASSY			1
		2400-5360-700	DECAL 106-266 VAC, 12-30 VDC, 7.5 A			1
		2400-5360-800	LABEL, IDENT SWEEP			1
		2400-5360-900	LABEL, IDENT VIDEO			1
		2400-5361-800	LABEL, IDENT CRT ADJUSTMENTS			1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
8 -	TAG5	6050-0041-450	CABLE ASSY, COAX FLEX			1
	TAG6	6050-0040-300	CABLE ASSY, COAX FLEX			1
	TAG8	6050-9900-401	CABLE ASSY, COAX FLEX			1
	TAG9	6050-9900-402	CABLE ASSY, COAX FLEX			1
	TAG10	6055-1070-800	CABLE ASSS, COAX FLEX			1
	TAG11	6050-0040-950	CABLE ASSY, COAX FLEX			1
	TAG12	6050-0040-500	CABLE ASSY, COAX FLEX			1
	TAG16	6050-0040-750	CABLE ASSY, COAX FLEX			1
	TAG17	6050-0040-200	CABLE ASSY, COAX FLEX			1
	TAG18	6050-0041-920	CABLE ASSY, COAX FLEX			1
	TAG19	6050-0041-920	CABLE ASSY, COAX FLEX			1
	TAG20	6050-0041-550	CABLE ASSY, COAX FLEX			1
	TAG21	6050-0040-700	CABLE ASSY, COAX FLEX			1
	TAG22	6050-0040-200	CABLE ASSY, COAX FLEX			1
	TAG23	6050-0040-950	CABLE ASSY, COAX FLEX			1
	TAG24	6050-0040-950	CABLE ASSY, COAX FLEX			1
	TAG25	6050-0040-250	CABLE ASSY, COAX FLEX			1
	TAG26	6050-0040-350	CABLE ASSY, COAX FLEX			1
	TAG36	6050-0561-300	CABLE ASSY, COAX FLEX			1
		SEE FIG 1	TAPE, VINYL FOAM 3/4, DBL SIDED			A/R
		SEE FIG 1	TUBING, HS 3/4, BLK			A/R
		SEE FIG 2	CAMERA MOUNT			A/R
		SEE FIG 2	CARRYING CASE, NYLON			A/R
		SEE FIG 2	75 OHM ADAPTER BNC/BNC			A/R
		SEE FIG 2	MAINTENANCE KIT			A/R
		SEE FIG 5	+20 dB EXTERNAL AMP ASSEMBLY			A/R
		SEE FIG 6	75 OHM ADAPTER BNC/F			A/R
		SEE FIG 52	BATTERY ASSEMBLY			A/R
		SEE FIG 53	TRACKING GENERATOR INSTALLATION			A/R
		SEE FIG 62	10.7 MHz RECEIVER INSTALLATION			A/R
		SEE FIG 64	GPIB INSTALLATION			A/R
		SEE FIG 65	RS-232C INSTALLATION			A/R
		SEE FIG 66	QUASI-PEAK INSTALLATION			A/R

STANDARD CONFIGURATION
RF CABLE APPLICATION CHART

TAG NO	PART NO	TERMINATED REF DES	
5	6050-0041-450	P41008	P21003
6	6050-0040-300	P21002	P25003
10	6055-1070-800	P39002	P73001A
11	6050-0040-950	P78001	P29004
12	6050-0040-500	P29005	P39004
16	6050-0040-750	P27004	P36002
17	6050-0040-200	P23003	P27003
18	6050-0041-920	P19006	P29002
19	6050-0041-920	P19007	P23004
20	6050-0041-550	P46003	P41007
21	6050-0040-700	P46002	P36004
22	6050-0040-200	P46004	P29003
23	6050-0040-950	P46008	P14004
24	6050-0040-950	P46007	P14003
25	6050-0040-250	P46005	P27002
26	6050-0040-350	P46006	P23002
36	6050-0561-300	P46009	P11008
8	6050-9900-401	P25002 P32003*	P10004
9	6050-9900-402	P19005 P32002*	P10005

* P32002 & P32003 ARE TEE CONNECTIONS.

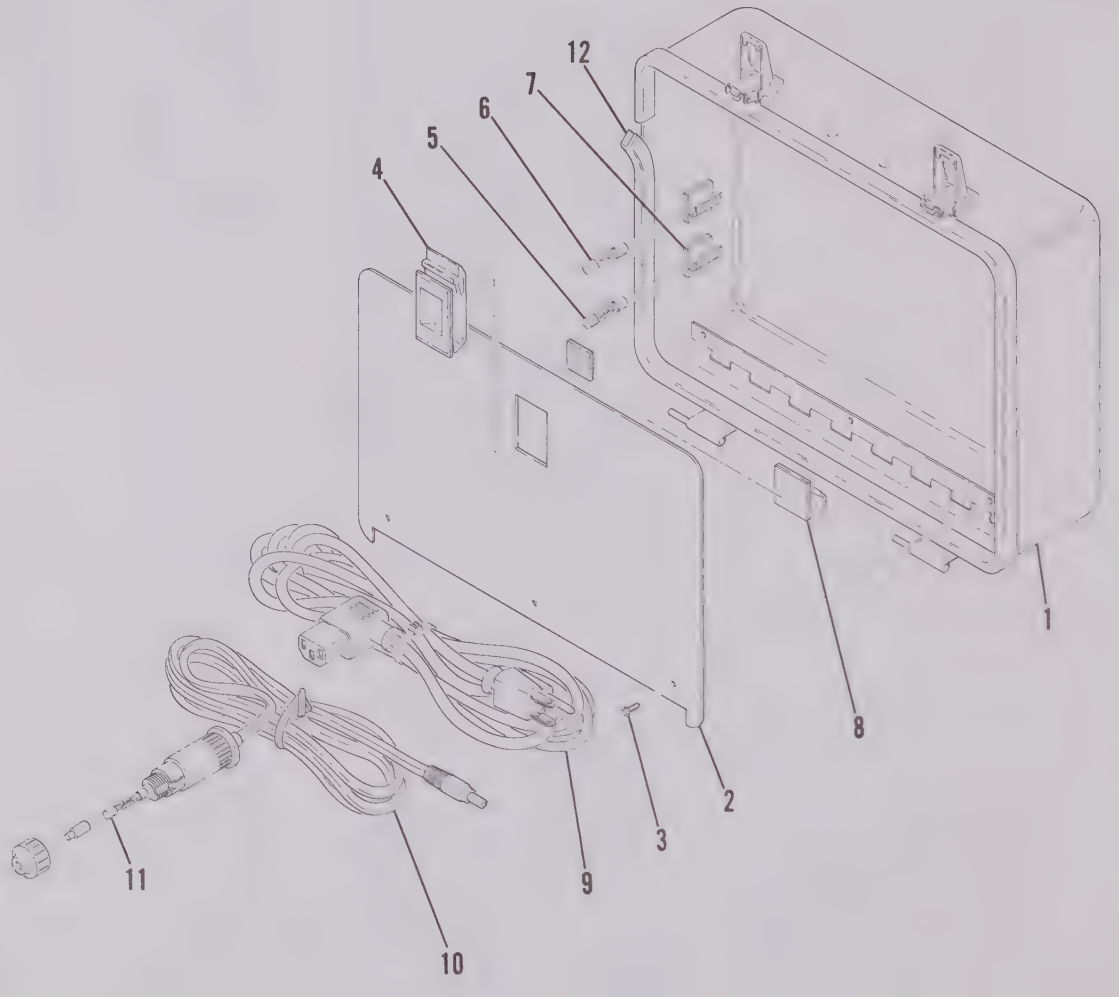

FIGURE 9 LID ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
9 -		7005-5344-400	LID ASSEMBLY SEE FIG 8 FOR NHA			REF
1		1412-5184-700	LID ASSY			1
2		4503-5151-300	PANEL, RETAINER			1
			ATTACHING PARTS			
3		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		3
			---*---			
4		2850-0000-109	LATCH, SLIDE (A340-625-12)	94222		1
5		5106-0000-009	FUSE, REG BLO 7.5 A, 32 V (AGC 7 1/2)	71400		1
6		5106-4402-500	FUSE, FAST BLO 2.5 A, 250 V (AGC 2 1/2)	71400		1
7		2111-0000-002	CLIP 1/4 D (670 1/4)	25706		2
8		2111-0002-500	CLIP 1/2 D (670 1/2)	25706		1
9		6041-0001-001	CABLE ASSY, AC PWR (P2720)	82389		1
10		6041-5082-700	CABLE ASSY, DC PWR			1
11		5106-0000-009	FUSE, REG BLO 7.5 A, 32 V (AGC 7 1/2)	71400		1
12		SEE FIG 1	TRIM, RUBBER BLK			A/R
		SEE FIG 1	TAPE, VINYL FOAM 3/4 SGL SIDED			A/R

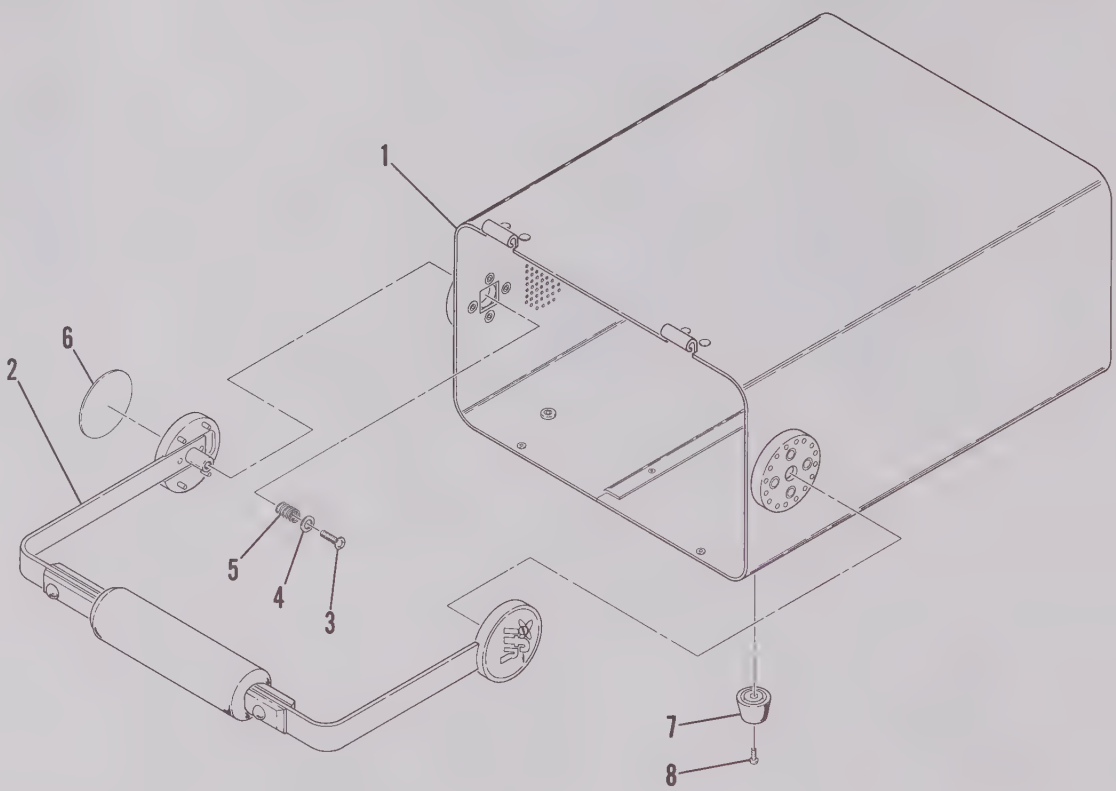

FIGURE 10 CASE ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
10 -		7005-5342-800	CASE ASSEMBLY SEE FIG 8 FOR NHA			REF
1		1412-5380-900	CASE ASSY			1
2		6500-5150-900	HANDLE ASSY, CARRYING			1
			ATTACHING PARTS			
3		2805-0625-020	SCREW (8-32 X 5/8 PTHM)	UNK015		2
4		2840-0000-025	WASHER, FLAT (#10 FLAT WASHER)	UNK015		2
5		2106-0000-012	SPRING (WW1461)	25146		2
			---*---			
6		2400-7636-400	DECAL, LOGO			1
7		1421-0000-500	FOOT, CONICAL (PP40013)	21604		4
			ATTACHING PARTS			
8		2804-0313-006	SCREW (6-32 X 5/16 PPHM)	UNK015		1
			---*---			

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
11 -		7010-5335-200	INTERFACE PC BOARD ASSEMBLY SEE FIG 8 FOR NHA			REF
1		2100-0000-100	NUT, SWAGE 4-40 (2040B)	83330		2
	J19001	2129-1025-026	CONNECTOR, HEADER (3429-1002)	75037		1
	J19005	2123-0000-055	CONNECTOR, SMB (2010-7511-000)	19505		1
	J19006	2123-0000-055	CONNECTOR, SMB (2010-7511-000)	19505		1
	J19007	2123-0000-055	CONNECTOR, SMB (2010-7511-000)	19505		1
	J19008	2123-0000-055	CONNECTOR, SMB (2010-7511-000)	19505		1
	JTB19001	2115-1001-003	CONNECTOR, WAFER (22-03-2031)	27264		1
	P19002	2129-1003-096	CONNECTOR, HEADER (7396-60C2TH)	75037		1
	C19001	1580-4702-105	CAPACITOR 47 µF, 10 V (CLE4.7MF10V)	62462		1
	C19002	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C19003	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C19004	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19005	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19006	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19007	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19008	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C19009	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19010	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C19011	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C19012	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C19013	1506-0470-017	CAPACITOR 47 pF, 200 V (C320C470J2G5CA)	61637		1
	C19014	1506-0470-017	CAPACITOR 47 pF, 200 V (C320C470J2G5CA)	61637		1
	C19015	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19016	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19017	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19018	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19019	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19020	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19021	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19022	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19023	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19024	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19025	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19026	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19027	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19028	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19029	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19030	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19031	1507-0474-018	CAPACITOR .47 µF, 35 V (T322A474M035AS)	31433		1
	C19032	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19033	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C19034	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C19035	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19036	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19037	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C19038	1580-3310-150	CAPACITOR 330 µF, 16 V (16TT330MS)	52318		1
	C19039	1580-3310-150	CAPACITOR 330 µF, 16 V (16TT330MS)	52318		1
	C19040	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433		1
	C19041	1506-0471-017	CAPACITOR 470 pF, 200 V (C320C471J2G5CA)	61637		1
	CR19001	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR19002	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR19003	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR19004	4818-0000-020	LED RED (HLMP1301)	54893		1
	CR19005	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR19006	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR19007	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR19008	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR19009	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR19010	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	Q19001	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q19002	4805-0000-001	TRANSISTOR (PN2907A)	12467		1

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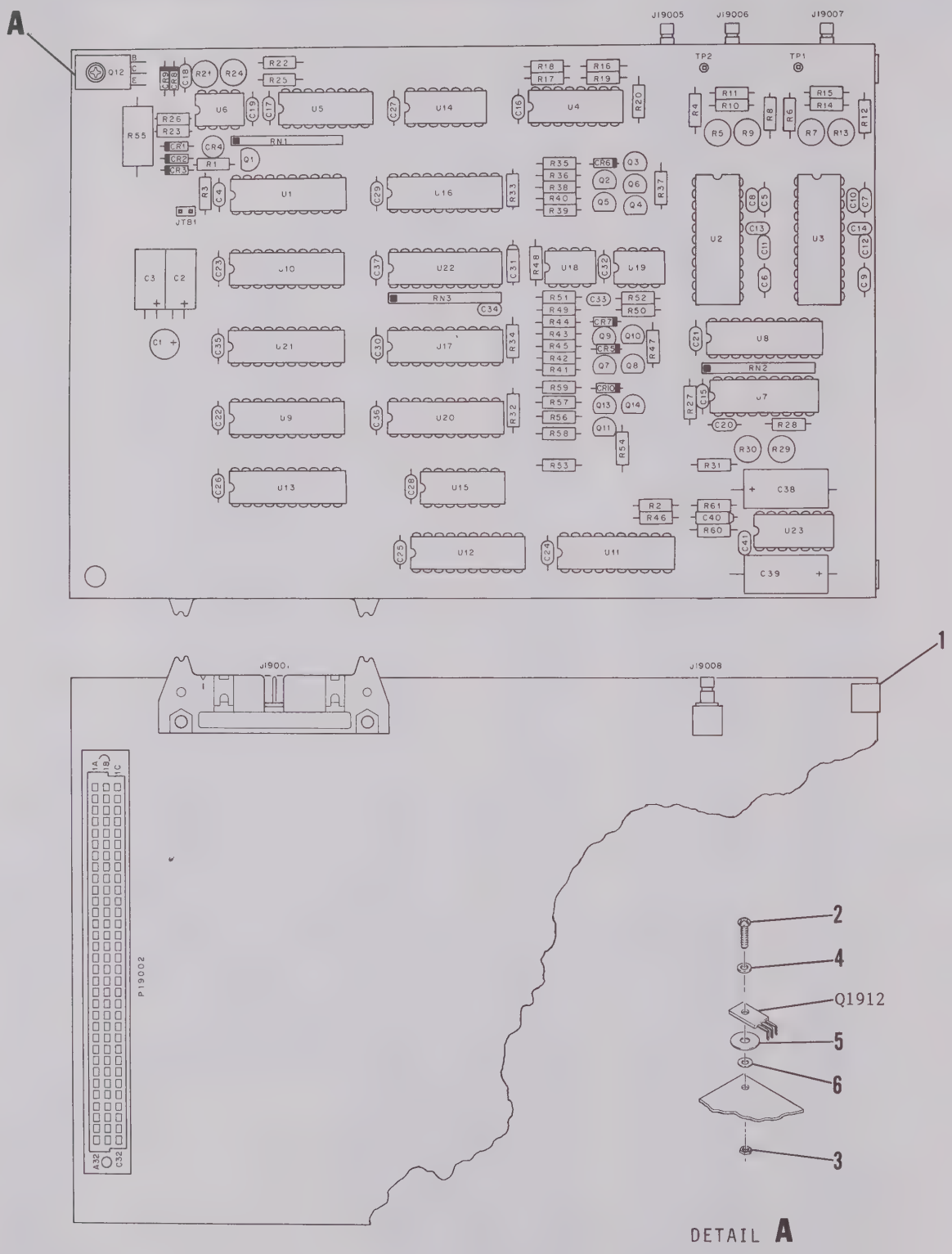

FIGURE 11 INTERFACE PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
11 -	Q19003	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q19004	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q19005	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q19006	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q19007	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q19008	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q19009	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q19010	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q19011	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q19012	4811-0000-002	TRANSISTOR (SJE1462)	04713		1
			ATTACHING PARTS			
2		2803-0375-006	SCREW (4-40 X 3/8 PPHM)	UNK015		1
3		2850-0000-008	NUT (4-40)	UNK016		1
4		2840-0000-008	WASHER, FLAT #4 (AN960C4)	UNK015		1
5		2840-0000-018	WASHER, MICA (B52600F003)	04713		1
6		2840-0000-029	WASHER, MICA (WASHER,MICA,.250D)	45684		1
			---*---			
	Q19013	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q19014	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	R19001	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R19002	4702-0474-003	RESISTOR 5%, 1/4 W, 470 K (RLR07C474JR)	81349		1
	R19003	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R19004	4706-3012-001	RESISTOR 1%, 1/4 W, 30.1 K (RLR07C3012FR)	81349		1
	R19005	4752-0103-002	RESISTOR, VAR 10 K (62-1-1-103)	02111		1
	R19006	4706-3012-001	RESISTOR 1%, 1/4 W, 30.1 K (RLR07C3012FR)	81349		1
	R19007	4752-0103-002	RESISTOR, VAR 10 K (62-1-1-103)	02111		1
	R19008	4706-6342-001	RESISTOR 1%, 1/4 W, 63.4 K (RLR07C6342FR)	81349		1
	R19009	4752-0203-002	RESISTOR, VAR 20 K (62-1-1-203)	02111		1
	R19010	4702-0561-003	RESISTOR 5%, 1/4 W, 560 Ω (RLR07C561JR)	81349		1
	R19011	4702-0122-003	RESISTOR 5%, 1/4 W, 1.2 K (RLR07C122JR)	81349		1
	R19012	4706-6342-001	RESISTOR 1%, 1/4 W, 63.4 K (RLR07C6342FR)	81349		1
	R19013	4752-0203-002	RESISTOR, VAR 20 K (62-1-1-203)	02111		1
	R19014	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R19015	4702-0561-003	RESISTOR 5%, 1/4 W, 560 Ω (RLR07C561JR)	81349		1
	R19016	4706-1101-001	RESISTOR 1%, 1/4 W, 1.10 K (RLR07C1101FR)	81349		1
	R19017	4706-4991-001	RESISTOR 1%, 1/4 W, 4.99 K (RLR07C4991FR)	81349		1
	R19018	4706-3011-001	RESISTOR 1%, 1/4 W, 3.01 K (RLR07C3011FR)	81349		1
	R19019	4706-1001-001	RESISTOR 1%, 1/4 W, 1 K (RLR07C1001FR)	81349		1
	R19020	4706-1001-001	RESISTOR 1%, 1/4 W, 1 K (RLR07C1001FR)	81349		1
	R19021	4752-0202-002	RESISTOR, VAR 2 K (62-1-1-202)	02111		1
	R19022	4706-4991-001	RESISTOR 1%, 1/4 W, 4.99 K (RLR07C4991FR)	81349		1
	R19023	4702-0271-003	RESISTOR 5%, 1/4 W, 270 Ω (RLR07C271JR)	81349		1
	R19024	4752-0202-002	RESISTOR, VAR 2 K (62-1-1-202)	02111		1
	R19025	4706-4991-001	RESISTOR 1%, 1/4 W, 4.99 K (RLR07C4991FR)	81349		1
	R19026	4702-0271-003	RESISTOR 5%, 1/4 W, 270 Ω (RLR07C271JR)	81349		1
	R19027	4706-3012-001	RESISTOR 1%, 1/4 W, 30.1 K (RLR07C3012FR)	81349		1
	R19028	4706-7500-001	RESISTOR 1%, 1/4 W, 750 Ω (RLR07C7500FR)	81349		1
	R19029	4752-0501-002	RESISTOR, VAR 500 Ω (62-1-1-501)	02111		1
	R19030	4752-0502-002	RESISTOR, VAR 5 K (62-1-1-502)	02111		1
	R19031	4706-3651-001	RESISTOR 1%, 1/4 W, 3.65 K (RLR073651FR)	81349		1
	R19032	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	R19033	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	R19034	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	R19035	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R19036	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R19037	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R19038	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R19039	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R19040	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R19041	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R19042	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R19043	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R19044	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
11 -	R19045	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R19046	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R19047	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R19048	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R19049	4702-0104-003	RESISTOR 5%, 1/4 W, 100 K (RLR07C104JR)	81349		1
	R19050	4702-0104-003	RESISTOR 5%, 1/4 W, 100 K (RLR07C104JR)	81349		1
	R19051	4702-0104-003	RESISTOR 5%, 1/4 W, 100 K (RLR07C104JR)	81349		1
	R19052	4702-0104-003	RESISTOR 5%, 1/4 W, 100 K (RLR07C104JR)	81349		1
	R19053	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R19054	4702-0681-003	RESISTOR 5%, 1/4 W, 680 Ω (RLR07C681JR)	81349		1
	R19055	4705-0568-003	RESISTOR 10%, 2 W, .56 Ω (RLR42CR56KR)	81349		1
	R19056	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R19057	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R19058	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R19059	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R19060	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R19061	4702-0100-003	RESISTOR 5%, 1/4 W, 10 Ω (RLR07C100JR)	81349		1
	RN19001	4690-0912-300	RESISTOR, NETWORK 10-P, 12 K (4310R101-123)	57924		1
	RN19002	4690-0947-200	RESISTOR, NETWORK 10-P, 4.7 K (4310R101-472)	57924		1
	RN19003	4690-0912-300	RESISTOR, NETWORK 10-P, 12 K (4310R101-123)	57924		1
	TP19001	2114-0000-007	POST, GANG (85931-6)	00779		1
	TP19002	2114-0000-007	POST, GANG (85931-6)	00779		1
	U19001	3214-9244-000	IC, OCTAL BFR/DRVR/RCVR (MM74HC244)	27014		1
	U19002	3228-0003-000	IC, 8-BIT D/A CONV (NE5018N)	18324		1
	U19003	3228-0003-000	IC, 8-BIT D/A CONV (NE5018N)	18324		1
	U19004	3214-4052-100	IC, 4-CH ANALOG MPLXR (CD4052BE)	02735		1
	U19005	3133-0000-023	IC, TRI 2-CH MPLXR/DMPLXR (CD4053BE)	02735		1
	U19006	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1
	U19007	3250-5391-400	IC, DISPLAY DRVR (LM3914N)	27014		1
	U19008	3214-9244-000	IC, OCTAL BFR/DRVR/RCVR (MM74HC244)	27014		1
	U19009	3214-7374-000	IC, OCTAL D FLIP-FLOP (MM74C374)	27014		1
	U19010	3214-7374-000	IC, OCTAL D FLIP-FLOP (MM74C374)	27014		1
	U19011	3263-3000-000*	IC, 8-BIT PROM (DM74S472N)	27014		1
	U19012	3263-3000-000*	IC, 8-BIT PROM (DM74S472N)	27014		1
	U19013	3214-9245-000	IC, OCTAL BUS XCVR (SN74HC245N)	01295		1
	U19014	3214-7906-000	IC, HEX BFR (MM74C906N)	27014		1
	U19015	3214-7906-000	IC, HEX BFR (MM74C906N)	27014		1
	U19016	3214-7374-000	IC, OCTAL D FLIP-FLOP (MM74C374)	27014		1
	U19017	3214-7374-000	IC, OCTAL D FLIP-FLOP (MM74C374)	27014		1
	U19018	3226-0004-000	IC, TIMER (LM555CN)	27014		1
	U19019	3133-0000-024	IC, BIMOS OP AMP (CA3130E)	02735		1
	U19020	3214-7374-000	IC, OCTAL D FLIP-FLOP (MM74C374)	27014		1
	U19021	3214-7374-000	IC, OCTAL D FLIP-FLOP (MM74C374)	27014		1
	U19022	3214-7374-000	IC, OCTAL D FLIP-FLOP (MM74C374)	27014		1
	U19023	3135-0000-010	IC, AUDIO AMP (LM380N)	27014		1

NOTE: * CONSULT IFR SYSTEMS CUSTOMER SERVICE FOR APPLICABLE PROGRAMMING.

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
12 -		7010-5337-400	SWEEP DIGITIZER PC BOARD ASSEMBLY SEE FIG 8 FOR NHA			REF
	J32001	2129-1003-040	CONNECTOR, HEADER (609-4007)	15912		1
	J32002	2123-0000-055	CONNECTOR, SMB (2010-7511-000)	19505		1
	J32003	2123-0000-055	CONNECTOR, SMB (2010-7511-000)	19505		1
	J32004	2115-1002-003	CONNECTOR, WAFER (22-05-2031)	27264		1
	C32001	1580-4702-105	CAPACITOR 47 µF, 10 V (CLE4.7MF10V)	62462		1
	C32002	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32003	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C32004	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32005	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C32006	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32007	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32008	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32009	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32010	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32011	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32012	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32013	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32014	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32015	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32016	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32017	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32018	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32019	1506-0472-017	CAPACITOR 4700 pF, 100 V (C320C472J2G5CA)	61637		1
	C32020	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32021	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C32022	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C32023	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32024	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32025	1502-0103-010	CAPACITOR .01 µF, 50 V (PC12.01-50-2)	27735		1
	C32026	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32027	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32028	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32029	1507-0105-118	CAPACITOR 1 µF, 35 V (T322B105J035AS)	31433		1
	C32030	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C32031	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32032	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32033	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32034	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32035	1506-0470-017	CAPACITOR 47 pF, 200 V (C320C470J2G5CA)	61637		1
	C32036	1507-0105-118	CAPACITOR 1 µF, 35 V (T322B105J035AS)	31433		1
	C32037	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32038	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32039	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32040	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32041	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32042	1506-0152-017	CAPACITOR 1500 pF, 100 V (C320C152J2G5CA)	61637		1
	C32043	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32044	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C32045	1600-1050-925	CAPACITOR 1 µF, 50 V (T322B105M050AS)	31433		1
	C32046	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C32047	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C32048	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C32049	1507-0105-118	CAPACITOR 1 µF, 35 V (T322B105J035AS)	31433		1
	C32050	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	CR32001	4818-0000-003	DIODE, ZENER 5.1 V (1N5231B)	71468		1
	CR32002	4818-0000-015	DIODE, ZENER 6.9 V (LM329CZ)	27014		1
	CR32003	4831-0000-001	DIODE, SIGNAL (FDH333)	12467		1
	CR32004	4831-0000-001	DIODE, SIGNAL (FDH333)	12467		1
	Q32001	4805-0000-003	TRANSISTOR (MPS3646)	12467		1
	Q32002	4805-0000-003	TRANSISTOR (MPS3646)	12467		1

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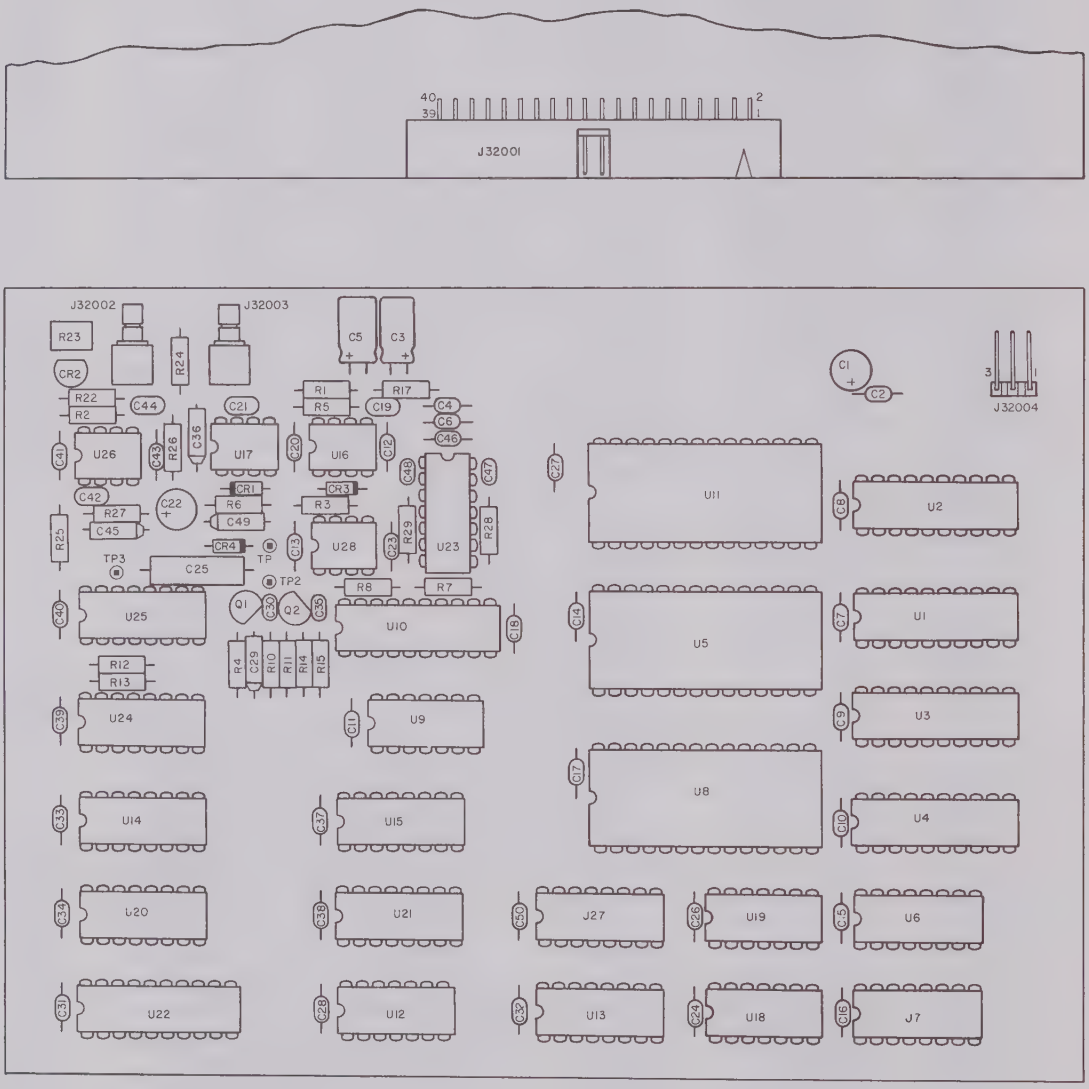

FIGURE 12 SWEEP DIGITIZER PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
12 -	R32001	4706-4991-001	RESISTOR 1%, 1/4 W, 4.99 K (RLR07C4991FR)	81349		1
	R32002	4706-5362-001	RESISTOR 1%, 1/4 W, 53.6 K (RLR07C5362FR)	81349		1
	R32003	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R32004	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R32005	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R32006	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R32007	4706-1152-001	RESISTOR 1%, 1/4 W, 11.5 K (RLR07C1152FR)	81349		1
	R32008	4706-1152-001	RESISTOR 1%, 1/4 W, 11.5 K (RLR07C1152FR)	81349		1
	R32010	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R32011	4702-0333-003	RESISTOR 5%, 1/4 W, 33 K (RLR07C333JR)	81349		1
	R32012	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R32013	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R32014	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R32015	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R32017	4706-1001-001	RESISTOR 1%, 1/4 W, 1 K (RLR07C1001FR)	81349		1
	R32022	4706-4992-001	RESISTOR 1%, 1/4 W, 49.9 K (RLR07C4992FR)	81349		1
	R32023	4753-0103-002	RESISTOR, VAR 10 K (62-2-1-103)	02111		1
	R32024	4702-0222-003	RESISTOR 5%, 1/4 W, 2.2 K (RLR07C222JR)	81349		1
	R32025	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	R32026	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R32027	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R32028	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R32029	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	TP32001	2114-0000-007	POST, GANG (85931-6)	00779		1
	TP32002	2114-0000-007	POST, GANG (85931-6)	00779		1
	TP32003	2114-0000-007	POST, GANG (85931-6)	00779		1
	U32001	3214-8244-000	IC, OCTAL BFR/DRVR/RCVR (MD74HCT244)	52648		1
	U32002	3214-8374-000	IC, OCTAL D FLIP-FLOP (MD74SC374)	52648		1
	U32003	3214-8244-000	IC, OCTAL BFR/DRVR/RCVR (MD74HCT244)	52648		1
	U32004	3214-8374-000	IC, OCTAL D FLIP-FLOP (MD74SC374)	52648		1
	U32005	3214-4501-015	IC, PRL FIFO (MK4501N-15)	50088		1
	U32006	3214-8138-000	IC, DCDR/MPLXR (MD74HCT138)	52648		1
	U32007	3214-8138-000	IC, DCDR/MPLXR (MD74HCT138)	52648		1
	U32008	3214-4501-015	IC, PRL FIFO (MK4501N-15)	50088		1
	U32009	3131-0000-038	IC, DUAL D FLIP-FLOP (SN74LS74AN)	01295		1
	U32010	3228-0004-000	IC, A/D CONV (AD573JN)	51640		1
	U32011	3226-0002-001	IC, CNTR TIMER (Z0843006PSC)	56708		1
	U32012	3131-0000-038	IC, DUAL D FLIP-FLOP (SN74LS74AN)	01295		1
	U32013	3131-0000-013	IC, 4-BIT BIN CNTR (SN74LS163AN)	01295		1
	U32014	3214-9440-103	IC, COUNTER (CD74HCT40103E)	02735		1
	U32015	3214-9440-103	IC, COUNTER (CD74HCT40103E)	02735		1
	U32016	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1
	U32017	3232-0039-800	IC, SAMPLE & HOLD CKT (LF398N)	27014		1
	U32018	3131-0000-044	IC, QUAD 2-INP NAND (SN74LS00N)	01295		1
	U32019	3211-3086-000	IC, QUAD 2-INP EXCL-OR (SN74LS86N)	01295		1
	U32020	3214-9440-103	IC, COUNTER (CD74HCT40103E)	02735		1
	U32021	3214-9440-103	IC, COUNTER (CD74HCT40103E)	02735		1
	U32022	3214-8374-000	IC, OCTAL D FLIP-FLOP (MD74SC374)	52648		1
	U32023	3131-0000-038	IC, DUAL D FLIP-FLOP (SN74LS74AN)	01295		1
	U32024	3214-4040-101	IC, 12-STAGE CNTR (HEF4040BPN)	18324		1
	U32025	3135-0000-060	IC, 10-BIT CMOS DAC (AD7533JN)	51640		1
	U32026	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1
	U32027	3214-8138-000	IC, DCDR/MPLXR (MD74HCT138)	52648		1
	U32028	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1

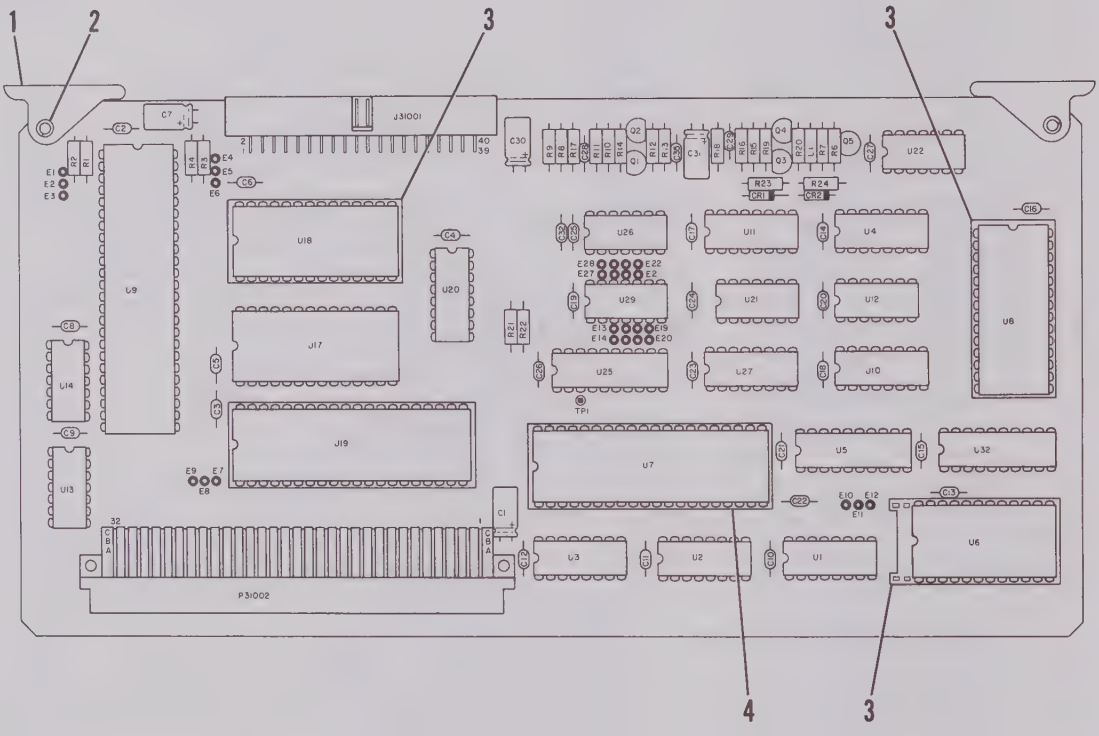

FIGURE 13 VIDEO PROCESSOR PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
13 -		7010-5336-501	VIDEO PROCESSOR PC BOARD ASSEMBLY SEE FIG 8 FOR NHA			REF
1		4104-7603-700	EJECTOR, CARD BLU			2
			ATTACHING PARTS			
2		2108-0000-008	ROLL PIN, EJECTOR			1
			---*---			
	J31001	2129-1003-040	CONNECTOR, HEADER (609-4007)	15912		1
	P31002	2129-1002-196	CONNECTOR, HEADER (533205-1)	00779		1
	C31001	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C31002	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31003	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31004	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31005	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31006	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31007	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C31008	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31009	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31010	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31011	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31012	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31013	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31014	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31015	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31016	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31017	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31018	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31019	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31020	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31021	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31022	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31023	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31024	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31025	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31026	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31027	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31028	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31029	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C31030	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C31031	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C31032	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C31035	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	CR31001	4817-0000-002	DIODE, ZENER 2.4 V (1N4370A)	04713		1
	CR31002	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	L31001	1801-0339-001	INDUCTOR 3.3 µH (1025-32)	99800		1
	Q31001	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q31002	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q31003	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q31004	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q31005	4805-0000-003	TRANSISTOR (MPS3646)	12467		1
	R31001	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R31002	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R31003	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R31004	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R31006	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R31007	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R31008	4702-0222-003	RESISTOR 5%, 1/4 W, 2.2 K (RLR07C222JR)	81349		1
	R31009	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R31010	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R31011	4706-2000-001	RESISTOR 1%, 1/4 W, 200 Ω (RLR07C2000FR)	81349		1
	R31012	4702-0151-003	RESISTOR 5%, 1/4 W, 150 Ω (RLR07C151JR)	81349		1
	R31013	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R31014	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R31015	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
13 -	R31016	4706-2000-001	RESISTOR 1%, 1/4 W, 200 Ω (RLR07C2000FR)	81349		1
	R31017	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R31018	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R31019	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R31020	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R31021	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R31022	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R31023	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R31024	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	U31001	3211-3157-000	IC, QUAD MPLXR (SN74LS157N)	01295		1
	U31002	3211-3157-000	IC, QUAD MPLXR (SN74LS157N)	01295		1
	U31003	3211-3157-000	IC, QUAD MPLXR (SN74LS157N)	01295		1
	U31004	3214-9139-001	IC, LINE DCDR/MPLXR (CD74HCT139E)	02735		1
	U31005	3214-8245-000	IC, OCTAL BUS XCVR (74HCT245)	52648		1
	U31006	3260-1551-700	IC, 8-BIT CMOS RAM (TC5517APL)	61802		1
3		3101-0000-021	SOCKET, DIP (ICN286S4G)	06776		3
	U31007	3271-0684-501	IC, CRT CONT (MC68B45P1)	04713		1
4		3101-0000-008	SOCKET, DIP (ICN406S4G)	06776		2
	U31008	3263-2500-000*	IC, 8-BIT EPROM NON-PROGRAMMED (2764)	01295		1
	U31009	3271-0005-000	IC, DUAL RAM (AM2130-12PC)	34335		1
	U31010	3211-3166-000	IC, 8-BIT REGISTER (SN74LS166N)	01295		1
	U31011	3131-0000-013	IC, 4-BIT BIN CNTR (SN74LS163AN)	01295		1
	U31012	3214-9474-000	IC, DUAL D FLIP-FLOP (CD74HCT74E)	02735		1
	U31013	3214-9403-000	IC, QUAD 2-1NP NAND (CD74HCT03E)	02735		1
	U31014	3214-9474-000	IC, DUAL D FLIP-FLOP (CD74HCT74E)	02735		1
	U31017	3260-1004-000	IC, STATIC RAM (HM6264LP12)	UNK017		1
	U31018	3263-2500-000*	IC, 8-BIT EPROM NON-PROGRAMMED (2764)	01295		1
	U31019	3135-0000-225	IC, 16-BIT MICROPROCESSOR (Z0840006PSC)	56708		1
	U31020	3214-9139-001	IC, LINE DCDR/MPLXR (CD74HCT139E)	02735		1
	U31021	3131-0000-044	IC, QUAD 2-INP NAND (SN74LS00N)	01295		1
	U31022	3131-0000-032	IC, QUAD 2-INP NOR (SN74LS02N)	01295		1
	U31025	3214-8245-000	IC, OCTAL BUS XCVR (74HCT245)	52648		1
	U31026	3131-0000-033	IC, HEX INV (SN74LS04N)	01295		1
	U31027	3214-9139-001	IC, LINE DCDR/MPLXR (CD74HCT139E)	02735		1
	U31029	3211-3164-000	IC, 8-BIT REGISTER (SN74LS164N)	01295		1
	U31032	3214-8374-000	IC, OCTAL D FLIP-FLOP (MD74SC374)	52648		1

NOTE: * CONSULT IFR SYSTEMS CUSTOMER SERVICE FOR APPLICABLE PROGRAMMING.

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
14 -		7010-5336-601	PROCESSOR PC BOARD ASSEMBLY SEE FIG 8 FOR NHA			REF
1		4104-7603-700	EJECTOR, CARD BLU			2
			ATTACHING PARTS			
2		2108-0000-008	ROLL PIN, EJECTOR			1
			---*---			
	J20002	2129-1003-026	CONNECTOR, HEADER (609-2607)	15912		1
	P20001	2129-1002-196	CONNECTOR, HEADER (533205-1)	00779		1
	BT20001	4000-9232-501	BATTERY 3 VDC, 160 mAH (BR2325P2B)	77542		1
	C20001	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C20003	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20007	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20008	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20009	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20010	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20011	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20012	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20013	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20014	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20015	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20016	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20017	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20018	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20019	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20020	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20021	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20022	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20023	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20024	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C20025	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C20026	1580-3310-150	CAPACITOR 330 µF, 16 V (16TT330MS)	52318		1
	C20027	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20028	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20029	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20030	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C20031	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	CR20001	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR20002	4920-5151-300	DIODE, RECT (11DQ03)	59993		1
	CR20003	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR20004	3225-0001-000	IC, VOLTAGE REF DIODE (LM336BZ2.5V)	27014		1
	CR20005	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR20006	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR20007	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR20008	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	Q20002	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q20003	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q20004	4807-0000-001	TRANSISTOR (2N3903-18)	27014		1
	Q20005	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q20006	4805-0000-003	TRANSISTOR (MPS3646)	12467		1
	Q20007	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q20008	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q20009	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q20010	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	R20001	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R20002	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R20003	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R20004	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R20005	4702-0333-003	RESISTOR 5%, 1/4 W, 33 K (RLR07C333JR)	81349		1
	R20008	4702-0220-003	RESISTOR 5%, 1/4 W, 22 Ω (RLR07C220JR)	81349		1
	R20009	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R20010	4702-0271-003	RESISTOR 5%, 1/4 W, 270 Ω (RLR07C271JR)	81349		1
	R20011	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R20012	4702-0821-003	RESISTOR 5%, 1/4 W, 820 Ω (RLR07C821JR)	81349		1

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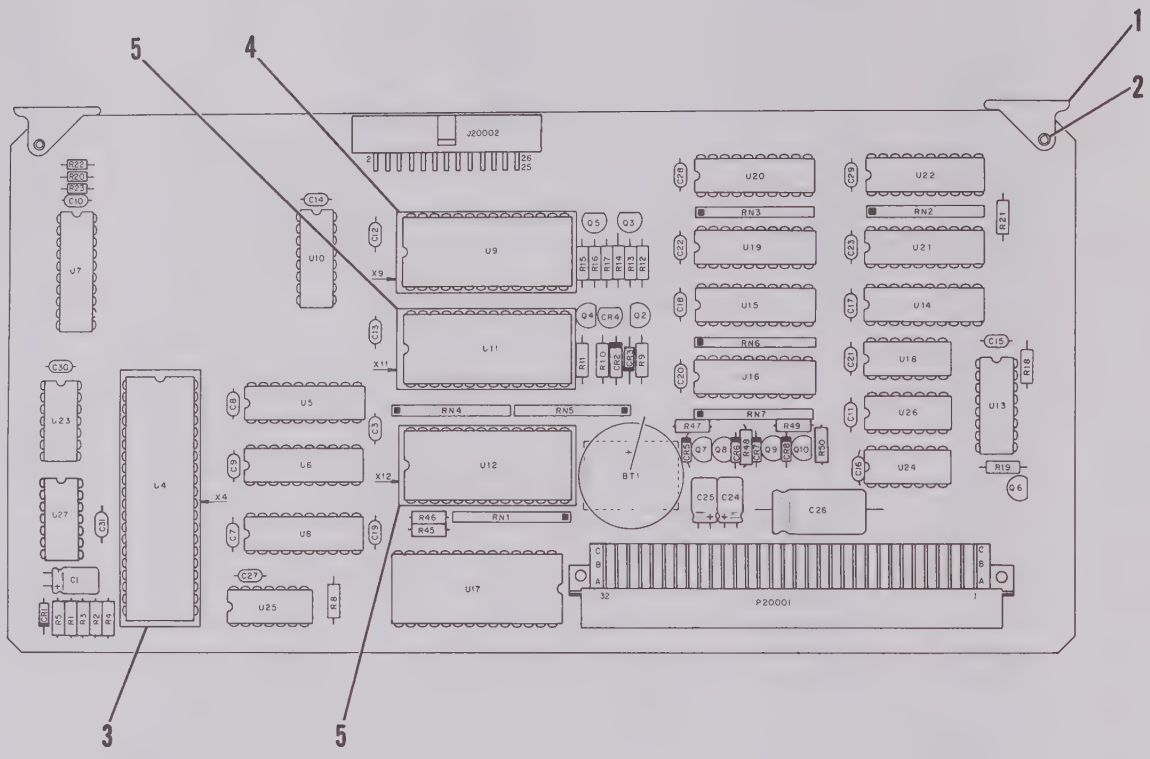


FIGURE 14 PROCESSOR PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
14 -	R20013	4706-7680-001	RESISTOR 1%, 1/4 W, 768 Ω (RLR07C7680FR)	81349		1
	R20014	4706-8060-001	RESISTOR 1%, 1/4 W, 806 Ω (RLR07C8060FR)	81349		1
	R20015	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R20016	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R20017	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	R20018	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R20019	4702-0182-003	RESISTOR 5%, 1/4 W, 1.8 K (RLR07C182JR)	81349		1
	R20020	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R20021	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R20022	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R20023	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R20045	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	R20046	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	R20047	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	R20048	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	R20049	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	R20050	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	RN20001	4690-0912-300	RESISTOR, NETWORK 10-P, 12 K (4310R101-123)	57924		1
	RN20002	4690-0912-300	RESISTOR, NETWORK 10-P, 12 K (4310R101-123)	57924		1
	RN20003	4690-0912-300	RESISTOR, NETWORK 10-P, 12 K (4310R101-123)	57924		1
	RN20004	4690-0912-300	RESISTOR, NETWORK 10-P, 12 K (4310R101-123)	57924		1
	RN20005	4690-0912-300	RESISTOR, NETWORK 10-P, 12 K (4310R101-123)	57924		1
	RN20006	4690-0912-300	RESISTOR, NETWORK 10-P, 12 K (4310R101-123)	57924		1
	RN20007	4690-0912-300	RESISTOR, NETWORK 10-P, 12 K (4310R101-123)	57924		1
	U20004	3135-0000-225	IC, 16-BIT MICROPROCESSOR (Z0840006PSC)	56708		1
3		3101-0000-027	SOCKET, DIP (840-AG11D)	91506		1
	U20005	3214-8244-000	IC, OCTAL BFR/DRVR/RCVR (MD74HCT244)	52648		1
	U20006	3214-8244-000	IC, OCTAL BFR/DRVR/RCVR (MD74HCT244)	52648		1
	U20007	3214-8245-000	IC, OCTAL BUS XCVR (74HCT245)	52648		1
	U20008	3214-8244-000	IC, OCTAL BFR/DRVR/RCVR (MD74HCT244)	52648		1
	U20009	3271-2725-600	IC, 32K X 8-BIT EPROM (D27256)	34639		1
4		3101-0000-021	SOCKET, DIP (ICN286S4G)	06776		1
	U20010	3214-9139-001	IC, LINE DCDR/MPLXR (CD74HCT139E)	02735		1
	U20011	3263-2500-000	IC, 8-BIT EPROM NON-PROGRAMMED (2764)	01295		1
	U20012	3260-1004-000	IC, STATIC RAM (HM6264LP12)	UNK017		1
5		3101-0000-021	SOCKET, DIP (ICN286S4G)	06776		2
	U20013	3131-0000-030	IC, U/D CNTR (SN74LS191N)	01295		1
	U20014	3263-3000-000	IC, 8-BIT PROM (DM74S472N)	27014		1
	U20015	3214-8244-000	IC, OCTAL BFR/DRVR/RCVR (MD74HCT244)	52648		1
	U20016	3214-8244-000	IC, OCTAL BFR/DRVR/RCVR (MD74HCT244)	52648		1
	U20017	3226-0002-001	IC, CNTR TIMER (Z0843006PSC)	56708		1
	U20018	3131-0000-038	IC, DUAL D FLIP-FLOP (SN74LS74AN)	01295		1
	U20019	3214-8245-000	IC, OCTAL BUS XCVR (74HCT245)	52648		1
	U20020	3214-8245-000	IC, OCTAL BUS XCVR (74HCT245)	52648		1
	U20021	3214-8244-000	IC, OCTAL BFR/DRVR/RCVR (MD74HCT244)	52648		1
	U20022	3214-8244-000	IC, OCTAL BFR/DRVR/RCVR (MD74HCT244)	52648		1
	U20023	3214-9403-000	IC, QUAD 2-1NP NAND (CD74HCT03E)	02735		1
	U20024	3131-0000-044	IC, QUAD 2-INP NAND (SN74LS00N)	01295		1
	U20025	3214-9404-010	IC, HS CMOS HEX INV (TC74HCT04P)	61802		1
	U20026	3211-3014-000	IC, HEX SCHMITT INV (SN74LS14N)	01295		1
	U20027	3214-9474-000	IC, DUAL D FLIP-FLOP (CD74HCT74E)	02735		1

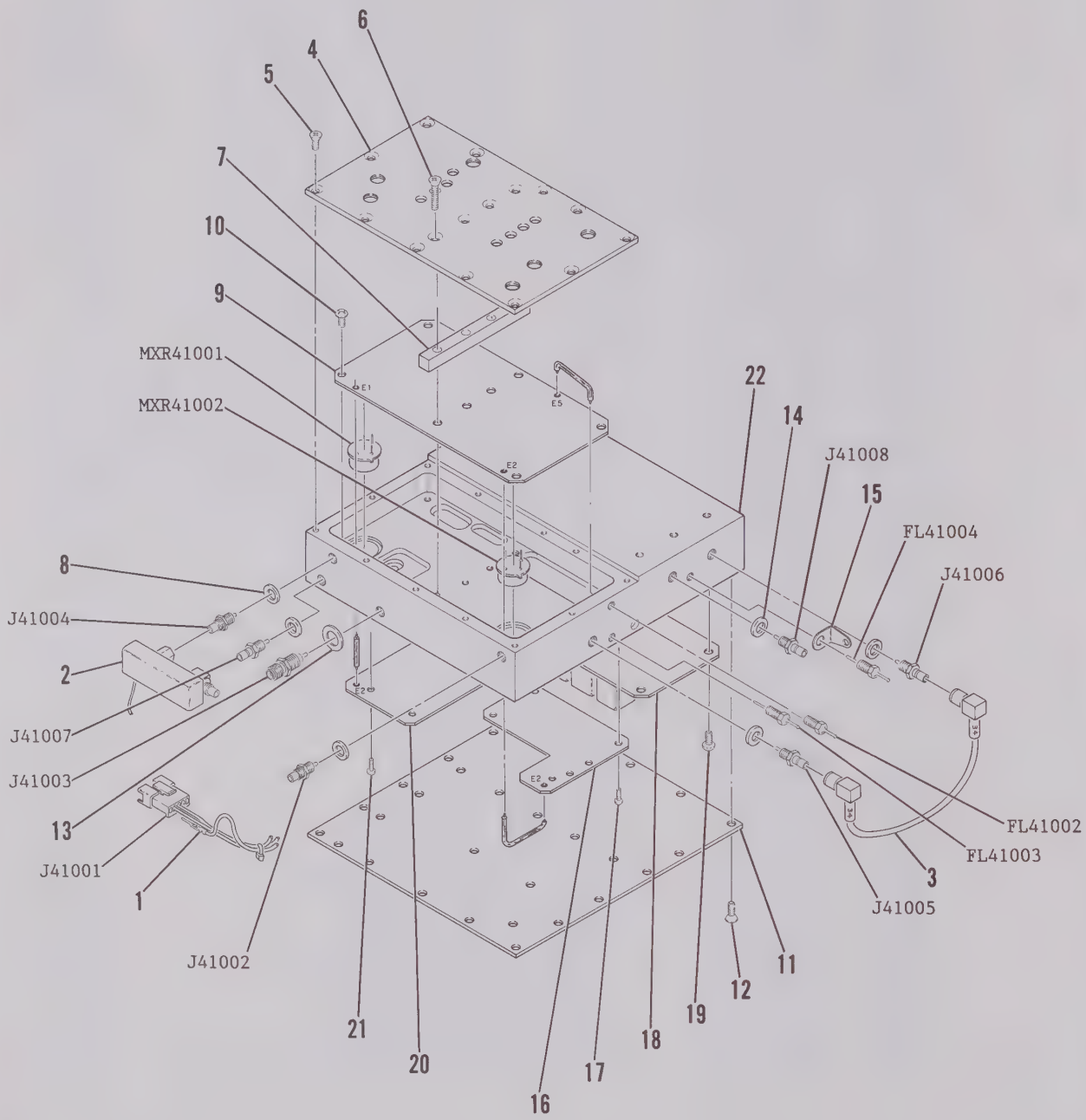


FIGURE 15 RECEIVE IF ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
15 -		7005-5348-200	RECEIVE IF ASSEMBLY SEE FIG 8 FOR NHA			REF
	J41001	2115-9001-005	CONNECTOR, LOCKING (SMR05VB)	UNK020		1
1		2114-9001-001	CONTACT, CONN 22 - 26 GA (SYM001T0.6)	UNK020		3
2		SEE FIG 16	BUFFER AMP PC BOARD ASSEMBLY			1
3		6050-0040-450	CABLE ASSY, COAX SEMI-RIGID			1
4		1414-5350-701	COVER, ENCLOSURE			1
			ATTACHING PARTS			
5		2803-0188-003	SCREW (4-40 X 3/16 PFHM)	UNK015		12
6		2803-0438-003	SCREW (4-40 X 7/16 PFHM)	UNK015		4
			---*---			
7		2100-5359-400	BLOCK, SHEILD			1
	J41002	2200-3910-200	CONNECTOR, BULKHEAD (1019-7511-000)	19505		1
	J41004	2200-3910-200	CONNECTOR, BULKHEAD (1019-7511-000)	19505		1
			ATTACHING PARTS			
8		2840-7600-229	WASHER, FLAT			1
			---*---			
	FL41002	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
9		SEE FIG 17	1300 MHz RECEIVE IF PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
10		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		4
			---*---			
	MXR41001	5250-0806-301	MIXER 1.3 - 2.3 GHz (M63T)	59277		1
	MXR41002	5250-0804-301	MIXER 700 - 1500 MHz (M43T1)	59277		1
11		1414-5350-800	COVER, ENCLOSURE			1
			ATTACHING PARTS			
12		2803-0188-003	SCREW (4-40 X 3/16 PFHM)	UNK015		29
			---*---			
	J41003	2123-0000-030	CONNECTOR, SMA (9422-9513-002)	19505		1
			ATTACHING PARTS			
13		2840-7600-208	WASHER, FLAT			1
			---*---			
	J41005	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
	J41006	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
	J41007	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
	J41008	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
			ATTACHING PARTS			
14		2840-7600-229	WASHER, FLAT			1
			---*---			
	FL41003	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL41004	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
			ATTACHING PARTS			
15		2850-0000-100	LUG, GND #8 (428-169)	79963		1
			---*---			
16		SEE FIG 18	AUTO CAL PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
17		2801-0188-006	SCREW (2-56 X 3/16 PPHM)	UNK015		6
			---*---			
18		SEE FIG 19	189.3 MHz BP FILTER PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
19		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		4
			---*---			
20		1700-5327-200	1000 MHz LOWPASS FILTER			1
			ATTACHING PARTS			
21		2801-0188-006	SCREW (2-56 X 3/16 PPHM)	UNK015		3
			---*---			
22		1415-5350-900	ENCLOSURE, BLOCK			1
		SEE FIG 1	WIRE, 7S 22 GA			A/R
		SEE FIG 1	WIRE, BUS 22 GA			A/R
		SEE FIG 1	TUBING, TFL 22 GA, NAT			A/R
		SEE FIG 1	TY-RAP 4.0			A/R

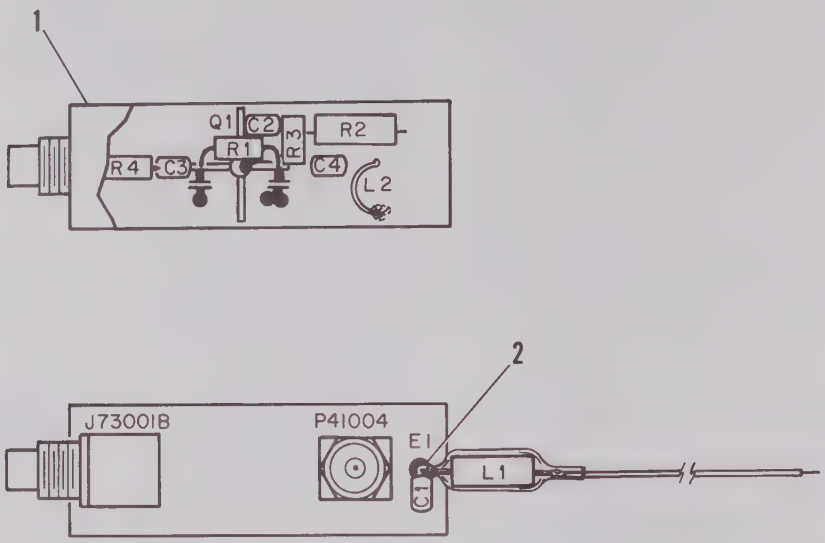


FIGURE 16 BUFFER AMP PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
16 -		7010-5335-501*	BUFFER AMP PC BOARD ASSEMBLY SEE FIG 15 FOR NHA			REF
	J73001	2123-0000-057	CONNECTOR, SMC (1010-7511-000)	19505		1
	P41004	2123-0000-059	CONNECTOR, SMC (1025-7511-000)	19505		1
1		2508-5351-401	SHIELD, PC BD			1
2		2114-0000-007	POST, GANG (85931-6)	00779		1
	C73001	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C73002	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C73003	1620-2090-510	CAPACITOR 2 pF, 200 V (C0805C209D2GAC)	61637		1
	C73004	1620-5090-511	CAPACITOR 5 pF, 100 V (C0805C509D1GAC)	61637		1
	L73001	1801-0109-001	INDUCTOR 1 µH (1025-20)	99800		1
	Q73001	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	R73001	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R73002	4702-0470-003	RESISTOR 5%, 1/4 W, 47 Ω (RLR07C470JR)	81349		1
	R73003	4701-0221-003	RESISTOR 5%, 1/8 W, 220 Ω (RLR05C221JR)	81349		1
	R73004	4701-0220-003	RESISTOR 5%, 1/8 W, 22 Ω (RLR05C220JR)	81349		1
		SEE FIG 1	WIRE, 7S 22 GA			A/R
		SEE FIG 1	WIRE, BUS 22 GA			A/R
		SEE FIG 1	TUBING, HS 1/8, CLR			A/R

NOTE: * FOR TRACKING PURPOSES, SUFFIX ALL REFERENCE DESIGNATORS WITH "B" (e.g. R73001 IS R73001B), EXCEPT P41004.

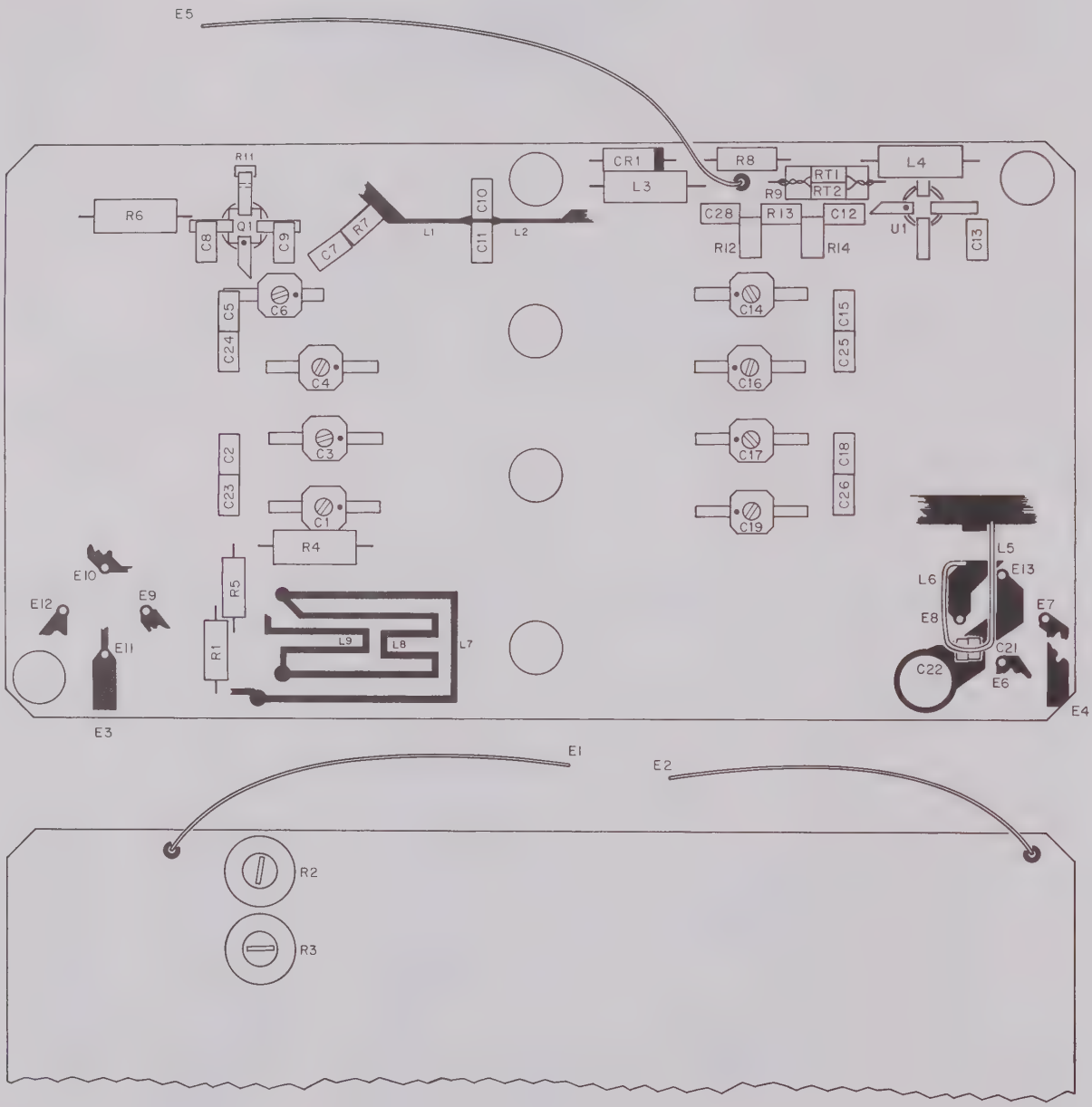


FIGURE 17 1300 MHz RECEIVE IF PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
17 -		7010-5338-200	1300 MHz RECEIVE IF PC BOARD ASSEMBLY SEE FIG 15 FOR NHA			REF
	C45001	1550-0100-510	CAPACITOR, VAR 1 - 4.5 pF, (9410-0)	29454		1
	C45002	1523-0000-009	CAPACITOR .6 pF, 50 V (C11AH0R6B50NT)	55153		1
	C45003	1550-0100-510	CAPACITOR, VAR 1 - 4.5 pF, (9410-0)	29454		1
	C45004	1550-0100-510	CAPACITOR, VAR 1 - 4.5 pF, (9410-0)	29454		1
	C45005	1523-0000-009	CAPACITOR .6 pF, 50 V (C11AH0R6B50NT)	55153		1
	C45006	1550-0101-510	CAPACITOR, VAR .5 - 2.5 pF (9402-0)	29454		1
	C45007	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C45008	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C45009	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C45010	1620-1690-511	CAPACITOR 1.6 pF, 100 V (C0805C169D2GAC)	61637		1
	C45011	1620-1690-511	CAPACITOR 1.6 pF, 100 V (C0805C169D2GAC)	61637		1
	C45012	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40COG220K50V)	72982		1
	C45013	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40COG220K50V)	72982		1
	C45014	1550-0100-510	CAPACITOR, VAR 1 - 4.5 pF, (9410-0)	29454		1
	C45015	1523-0000-009	CAPACITOR .6 pF, 50 V (C11AH0R6B50NT)	55153		1
	C45016	1550-0100-510	CAPACITOR, VAR 1 - 4.5 pF, (9410-0)	29454		1
	C45017	1550-0100-510	CAPACITOR, VAR 1 - 4.5 pF, (9410-0)	29454		1
	C45018	1523-0000-009	CAPACITOR .6 pF, 50 V (C11AH0R6B50NT)	55153		1
	C45019	1550-0100-510	CAPACITOR, VAR 1 - 4.5 pF, (9410-0)	29454		1
	C45021	1620-2090-510	CAPACITOR 2 pF, 200 V (C0805C209D2GAC)	61637		1
	C45022	1620-2090-510	CAPACITOR 2 pF, 200 V (C0805C209D2GAC)	61637		1
	C45023	1523-0000-009	CAPACITOR .6 pF, 50 V (C11AH0R6B50NT)	55153		1
	C45024	1523-0000-009	CAPACITOR .6 pF, 50 V (C11AH0R6B50NT)	55153		1
	C45025	1523-0000-009	CAPACITOR .6 pF, 50 V (C11AH0R6B50NT)	55153		1
	C45026	1523-0000-009	CAPACITOR .6 pF, 50 V (C11AH0R6B50NT)	55153		1
	C45028	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40COG220K50V)	72982		1
	CR45001	4818-0000-004	DIODE, ZENER 6.2 V (1N5234B)	01295		1
	L45003	1801-0338-001	INDUCTOR .33 µH (1025-08)	99800		1
	L45004	1801-0338-001	INDUCTOR .33 µH (1025-08)	99800		1
	Q45001	4809-0000-013	TRANSISTOR (AT12535)	24539		1
	R45001	4701-0121-003	RESISTOR 5%, 1/8 W, 120 Ω (RLR05C121JR)	81349		1
	R45002	4752-0501-002	RESISTOR, VAR 500 Ω (62-1-1-501)	02111		1
	R45003	4752-0501-002	RESISTOR, VAR 500 Ω (62-1-1-501)	02111		1
	R45004	4702-0560-003	RESISTOR 5%, 1/4 W, 56 Ω (RLR07C560JR)	81349		1
	R45005	4701-0271-003	RESISTOR 5%, 1/8 W, 270 Ω (RLR05C271JR)	81349		1
	R45006	4702-0390-003	RESISTOR 5%, 1/4 W, 39 Ω (RLR07C390JR)	81349		1
	R45007	4719-0121-002	RESISTOR 5%, 1/8 W, 120 Ω (9C12063A1200JLR)	56699		1
	R45008	4701-0330-003	RESISTOR 5%, 1/8 W, 33 Ω (RLR05C330JR)	81349		1
	R45009	4702-0681-003	RESISTOR 5%, 1/4 W, 680 Ω (RLR07C681JR)	81349		1
	R45011	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124		1
	R45012	4719-0121-002	RESISTOR 5%, 1/8 W, 120 Ω (9C12063A1200JLR)	56699		1
	R45013	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124		1
	R45014	4719-0121-002	RESISTOR 5%, 1/8 W, 120 Ω (9C12063A1200JLR)	56699		1
	RT45001	4800-0000-004	THERMISTOR 10 K (JA41J1)	18N13		1
	RT45002	4800-0000-004	THERMISTOR 10 K (JA41J1)	18N13		1
	U45001	5050-2501-200	IC, ML SI AMP (MSA-0135-21)	24539		1
		SEE FIG 1	WIRE, BUS 22 GA			A/R

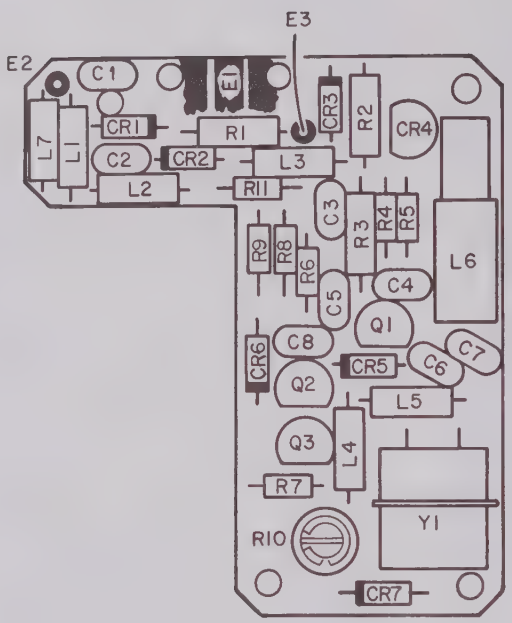
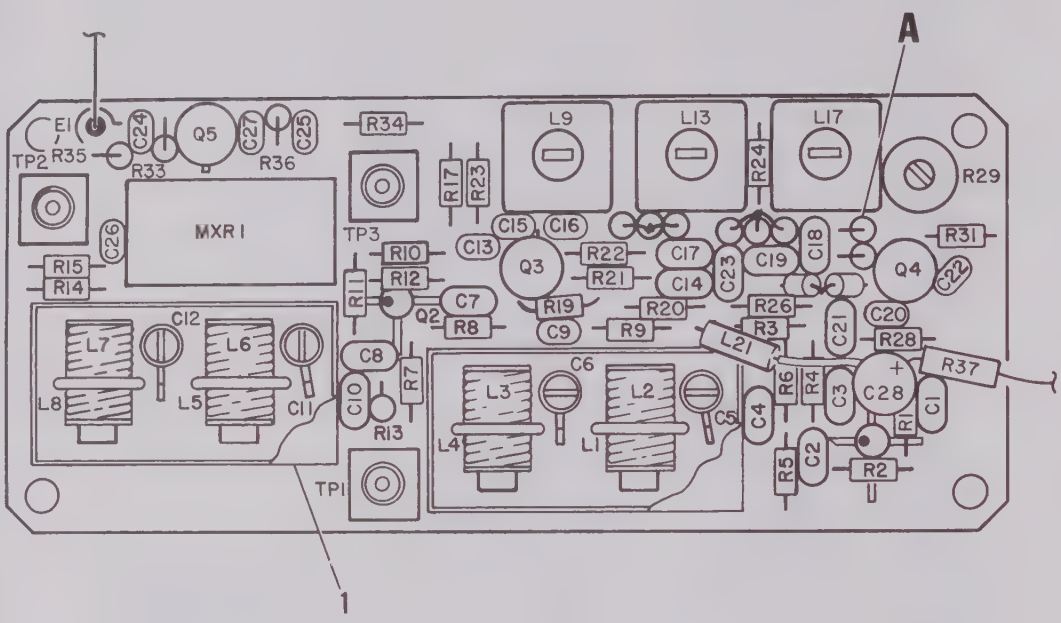
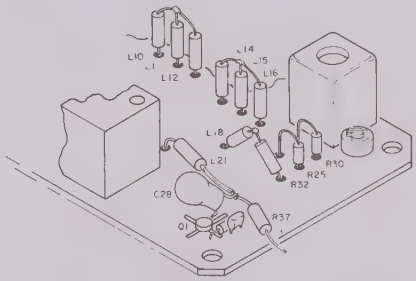


FIGURE 18 AUTO CAL PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
18 -		7010-5332-400	AUTO CAL PC BOARD ASSEMBLY SEE FIG 15 FOR NHA			REF
	C43001	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C43002	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C43003	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C43004	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C43005	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C43006	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C43007	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C43008	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	CR43001	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR43002	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR43003	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR43004	4818-0000-015	DIODE, ZENER 6.9 V (LM329CZ)	27014		1
	CR43005	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR43006	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR43007	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	L43001	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800		1
	L43002	1801-0109-001	INDUCTOR 1 µH (1025-20)	99800		1
	L43003	1801-0109-001	INDUCTOR 1 µH (1025-20)	99800		1
	L43004	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800		1
	L43005	1801-0338-001	INDUCTOR .33 µH (1025-08)	99800		1
	L43006	1804-0000-017	INDUCTOR, VAR 5.5 TURN, .092 - .164 nH (148-05J12)	02113		1
	L43007	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800		1
	Q43001	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q43002	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q43003	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	R43001	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R43002	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R43003	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R43004	4701-0472-003	RESISTOR 5%, 1/8 W, 4.7 K (RLR05C472JR)	81349		1
	R43005	4701-0272-003	RESISTOR 5%, 1/8 W, 2.7 K (RLR05C272JR)	81349		1
	R43006	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R43007	4701-0151-003	RESISTOR 5%, 1/8 W, 150 Ω (RLR05C151JR)	81349		1
	R43008	4701-0392-003	RESISTOR 5%, 1/8 W, 3.9 K (RLR05C392JR)	81349		1
	R43009	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R43010	4752-0501-002	RESISTOR, VAR 500 Ω (62-1-1-501)	02111		1
	R43011	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	Y43001	2363-0107-000	CRYSTAL 94.650000 MHz (63-107 94.65 MHZ)	54962		1
		SEE FIG 1	WIRE, BUS 22 GA			A/R





DETAIL **A**

FIGURE 19 189.3 MHz BP FILTER PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
19 -		7010-5332-801	189.3 MHz BP FILTER PC BOARD ASSEMBLY SEE FIG 15 FOR NHA			REF
1		2508-5369-200	SHIELD, PC BD			1
	C42001	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C42002	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C42003	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C42004	1506-0050-017	CAPACITOR 5.5 pF, 100 V (RPE110C0G5R5C100V)	72982		1
	C42005	1521-0000-004	CAPACITOR, VAR .6 - 4.5 pF, 500 V (27273)	29454		1
	C42006	1521-0000-004	CAPACITOR, VAR .6 - 4.5 pF, 500 V (27273)	29454		1
	C42007	1506-0050-017	CAPACITOR 5.5 pF, 100 V (RPE110C0G5R5C100V)	72982		1
	C42008	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C42009	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C42010	1506-0050-017	CAPACITOR 5.5 pF, 100 V (RPE110C0G5R5C100V)	72982		1
	C42011	1521-0000-004	CAPACITOR, VAR .6 - 4.5 pF, 500 V (27273)	29454		1
	C42012	1521-0000-004	CAPACITOR, VAR .6 - 4.5 pF, 500 V (27273)	29454		1
	C42013	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C42014	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C42015	1506-0470-017	CAPACITOR 47 pF, 200 V (C320C470J2G5CA)	61637		1
	C42016	1506-0560-017	CAPACITOR 56 pF, 200 V (C320C560J2G5CA)	61637		1
	C42017	1506-0390-017	CAPACITOR 39 pF, 200 V (C320C390J2G5CA)	61637		1
	C42018	1506-0330-017	CAPACITOR 33 pF, 200 V (C320C330J2G5CA)	61637		1
	C42019	1506-0680-017	CAPACITOR 68 pF, 200 V (C320C680J2G5CA)	61637		1
	C42020	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C42021	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C42022	1506-0152-017	CAPACITOR 1500 pF, 100 V (C320C152J2G5CA)	61637		1
	C42023	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C42024	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C42025	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C42026	1506-0050-017	CAPACITOR 5.5 pF, 100 V (RPE110C0G5R5C100V)	72982		1
	C42027	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C42028	1508-0157-020	CAPACITOR 150 µF, 15 V (T354M157M016AS)	31433		1
	L42002	1804-0000-011	INDUCTOR, VAR .221 - .443 µH			1
	L42003	1804-0000-011	INDUCTOR, VAR .221 - .443 µH			1
	L42006	1804-0000-011	INDUCTOR, VAR .221 - .443 µH			1
	L42007	1804-0000-011	INDUCTOR, VAR .221 - .443 µH			1
	L42009	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L42010	1801-0010-001	INDUCTOR 10 µH (1025-44)	99800		1
	L42011	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L42012	1801-0010-001	INDUCTOR 10 µH (1025-44)	99800		1
	L42013	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L42014	1801-0010-001	INDUCTOR 10 µH (1025-44)	99800		1
	L42015	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L42016	1801-0010-001	INDUCTOR 10 µH (1025-44)	99800		1
	L42017	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L42018	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L42021	1801-0150-003	INDUCTOR 15 µH, 3.8 Ω (1325-153)	99800		1
	MXR42001	5250-0100-100	MIXER 1 - 500 MHz (SBL1-18)	15542		1
	Q42001	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q42002	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q42003	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q42004	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q42005	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	R42001	4701-0470-003	RESISTOR 5%, 1/8 W, 47 Ω (RLR05C470JR)	81349		1
	R42002	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R42003	4701-0470-003	RESISTOR 5%, 1/8 W, 47 Ω (RLR05C470JR)	81349		1
	R42004	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R42005	4701-0183-003	RESISTOR 5%, 1/8 W, 18 K (RLR05C183JR)	81349		1
	R42006	4701-0220-003	RESISTOR 5%, 1/8 W, 22 Ω (RLR05C220JR)	81349		1
	R42007	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R42008	4701-0330-003	RESISTOR 5%, 1/8 W, 33 Ω (RLR05C330JR)	81349		1
	R42009	4701-0470-003	RESISTOR 5%, 1/8 W, 47 Ω (RLR05C470JR)	81349		1
	R42010	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
19 -	R42011	4701-0183-003	RESISTOR 5%, 1/8 W, 18 K (RLR05C183JR)	81349		1
	R42012	4701-0561-003	RESISTOR 5%, 1/8 W, 560 Ω (RLR05C561JR)	81349		1
	R42013	4701-0220-003	RESISTOR 5%, 1/8 W, 22 Ω (RLR05C220JR)	81349		1
	R42014	4701-0120-003	RESISTOR 5%, 1/8 W, 12 Ω (RLR05C120JR)	81349		1
	R42015	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R42017	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R42019	4701-0333-003	RESISTOR 5%, 1/8 W, 33 K (RLR05C333JR)	81349		1
	R42020	4701-0470-003	RESISTOR 5%, 1/8 W, 47 Ω (RLR05C470JR)	81349		1
	R42021	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R42022	4701-0180-003	RESISTOR 5%, 1/8 W, 18 Ω (RLR05C180JR)	81349		1
	R42023	4701-0512-002	RESISTOR 5%, 1/8 W, 5.1 K (RLR05C512JR)	81349		1
	R42024	4701-0512-002	RESISTOR 5%, 1/8 W, 5.1 K (RLR05C512JR)	81349		1
	R42025	4701-0470-003	RESISTOR 5%, 1/8 W, 47 Ω (RLR05C470JR)	81349		1
	R42026	4701-0470-003	RESISTOR 5%, 1/8 W, 47 Ω (RLR05C470JR)	81349		1
	R42028	4701-0183-003	RESISTOR 5%, 1/8 W, 18 K (RLR05C183JR)	81349		1
	R42029	4752-0501-002	RESISTOR, VAR 500 Ω (62-1-1-501)	02111		1
	R42030	4701-0121-003	RESISTOR 5%, 1/8 W, 120 Ω (RLR05C121JR)	81349		1
	R42031	4701-0270-003	RESISTOR 5%, 1/8 W, 27 Ω (RLR05C270JR)	81349		1
	R42032	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R42033	4701-0333-003	RESISTOR 5%, 1/8 W, 33 K (RLR05C333JR)	81349		1
	R42034	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R42035	4701-0680-003	RESISTOR 5%, 1/8 W, 68 Ω (RLR05C680JR)	81349		1
	R42036	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R42037	4702-0339-003	RESISTOR 5%, 1/4 W, 3.3 Ω (RLR07C3R3JR)	81349		1
	TP42001	2200-2010-400	CONNECTOR, SMB (2009-7511-000)	19505		1
	TP42002	2200-2010-400	CONNECTOR, SMB (2009-7511-000)	19505		1
	TP42003	2200-2010-400	CONNECTOR, SMB (2009-7511-000)	19505		1
		SEE FIG 1	WIRE, BUS 22 GA			A/R
		SEE FIG 1	WIRE, BUS 26 GA			A/R
		SEE FIG 1	TUBING, TFL 26 GA, NAT			A/R

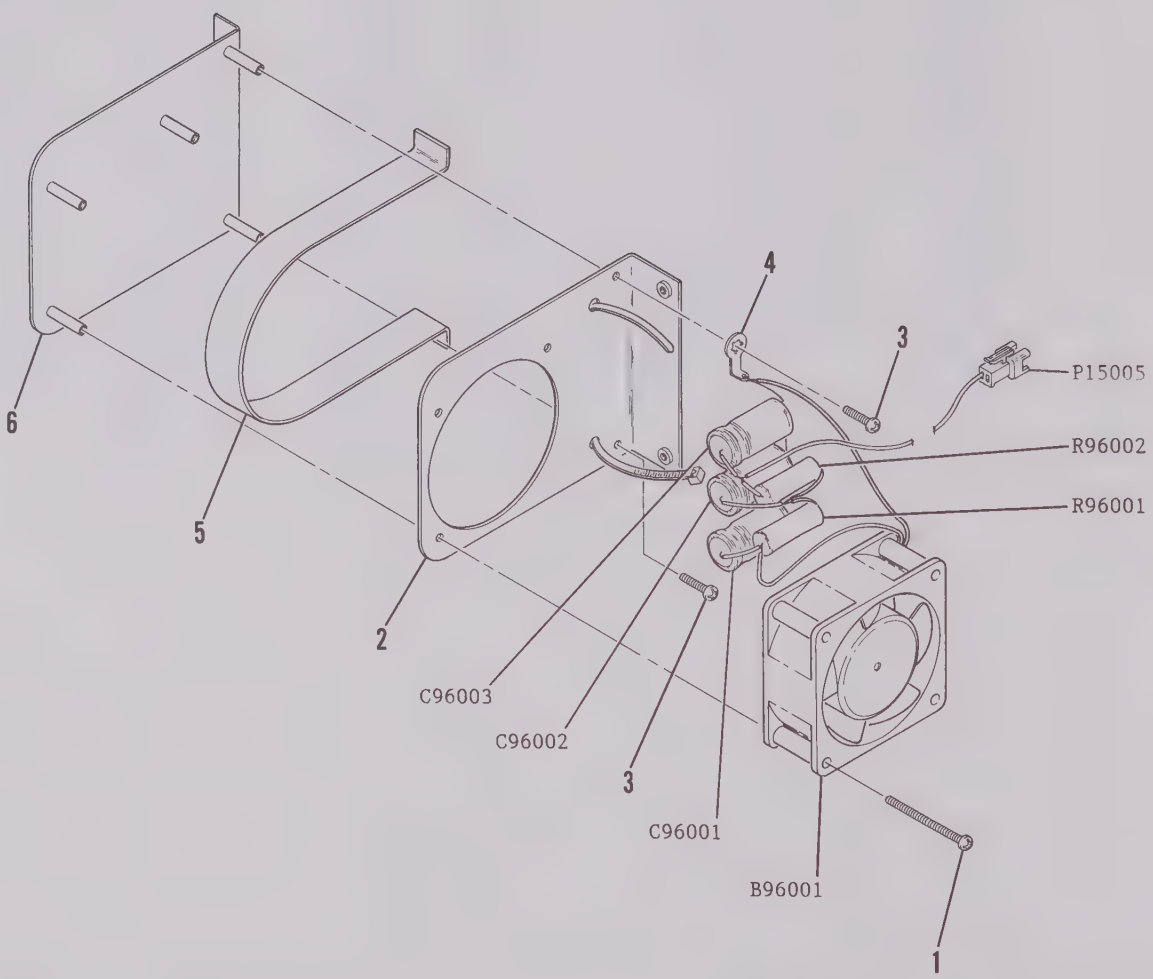
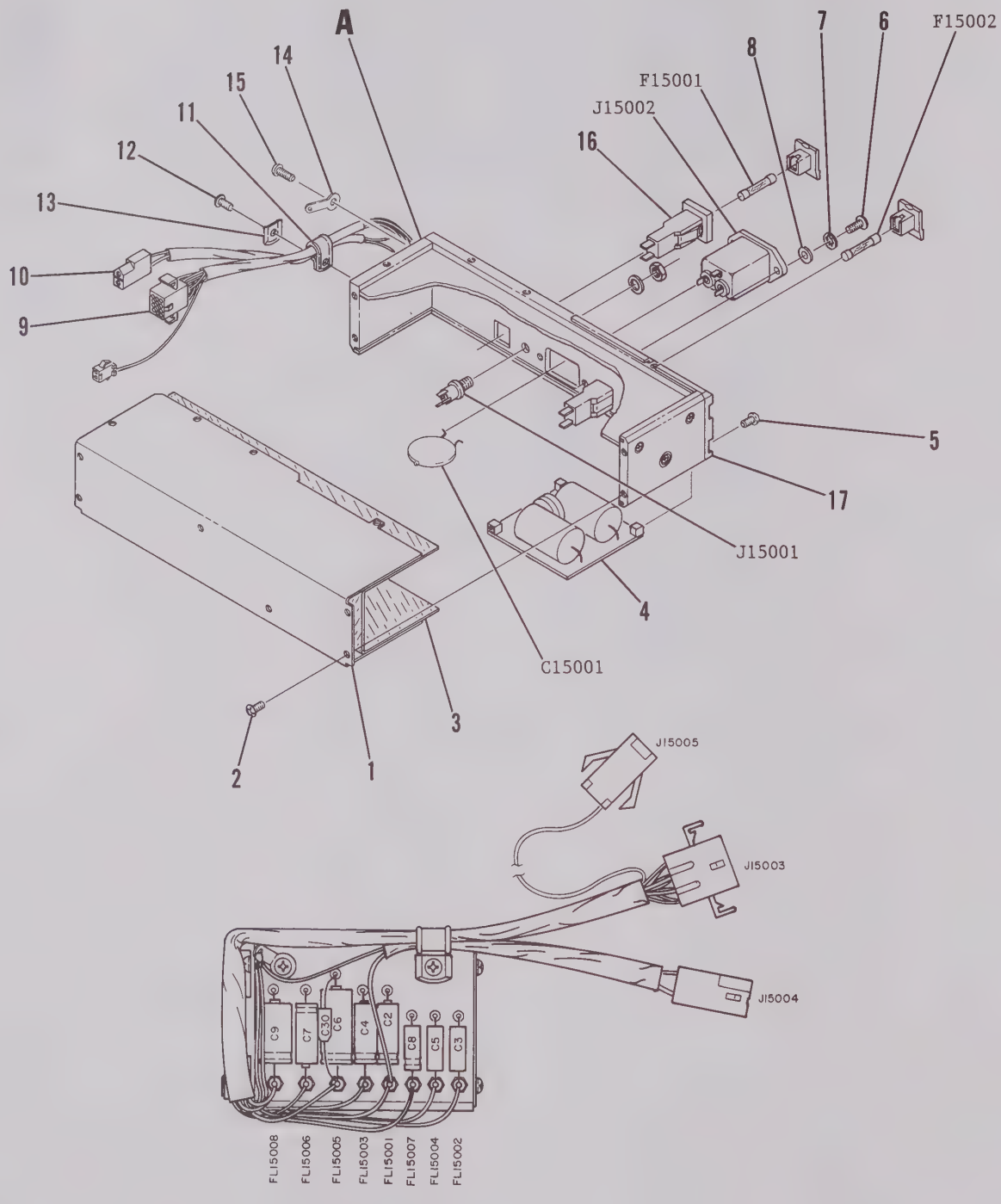


FIGURE 20 FAN ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
20 -		7005-5448-200	FAN ASSEMBLY SEE FIG 8 FOR NHA			REF
	P15005	2115-9001-002	CONNECTOR, LOCKING (SMR02VB)	UNK020		1
		2114-9001-001	CONTACT, CONN 22 - 26 GA (SYM001T0.6)	UNK020		1
	C96001	1580-1020-158	CAPACITOR 1000 µF, 16 V (16TT1000MS)	52318		1
	C96002	1580-1020-158	CAPACITOR 1000 µF, 16 V (16TT1000MS)	52318		1
	C96003	1580-1020-158	CAPACITOR 1000 µF, 16 V (16TT1000MS)	52318		1
	R96001	4717-0309-003	RESISTOR 1%, 5 W, 3.00 Ω (RS-5, 3OHM, 1%)	91637		1
	R96002	4717-0309-003	RESISTOR 1%, 5 W, 3.00 Ω (RS-5, 3OHM, 1%)	91637		1
	B96001	2600-0007-000	FAN (032269/FL12A306)	82877		1
			ATTACHING PARTS			
1		2803-1500-006	SCREW (4-40 X 1 1/2 PPHM)	UNK015		3
			---*---			
2		2506-5461-200	PLATE ASSY, MTG			1
			ATTACHING PARTS			
3		2803-0500-006	SCREW (4-40 X 1/2 PPHM)	UNK015		2
4		2850-0000-014	LUG, GND #4 (1411-4)	83330		1
			---*---			
5		1409-5461-100	BAFFLE, VENTILATION			1
6		2506-5461-300	PLATE ASSY, MTG			1
		SEE FIG 1	WIRE, 7S 22 GA			A/R
		SEE FIG 1	TY-RAP 4.0			A/R
		SEE FIG 1	TY-RAP 8.0			A/R
		SEE FIG 1	TUBING, TFL 16 GA, NAT			A/R
		SEE FIG 1	TUBING, TFL 22 GA, NAT			A/R
		SEE FIG 1	TUBING, HS 3/32, BLK			A/R



DETAIL **A**

FIGURE 21 POWER SUPPLY ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
21 -		7005-5449-700	POWER SUPPLY ASSEMBLY SEE FIG 8 FOR NHA			REF
1		1414-5356-500	COVER ASSY, POWER SUPPLY			1
			ATTACHING PARTS			
2		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		12
			---*---			
3		3107-5356-400	INSULATOR			1
4		SEE FIG 22	LINE RECTIFIER PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
5		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		2
			---*---			
	J15001	2220-9900-100	CONNECTOR, DC POWER (712A)	82389		1
	J15002	2220-1021-100	CONNECTOR, AC POWER FILTERED (3EF1)	05245		1
			ATTACHING PARTS			
6		2803-0313-006	SCREW (4-40 X 5/16 PPHM)	UNK015		2
7		2840-0000-003	WASHER, LOCK (#4INT TOOTH LOCKWASH)	UNK015		2
8		2840-0000-009	WASHER, FLAT (#4 FLAT WASHER)	UNK015		2
			---*---			
	C15001	1501-0104-510	CAPACITOR .1 µF, 1000 V (10GAP10)	56289		1
	C15002	1580-2210-230	CAPACITOR 220 µF, 25 V (25TT220MS)	52318		1
	C15003	1502-0105-007	CAPACITOR 1 µF, 50 V (MPC13-1-50-5)	27735		1
	C15004	1580-2210-230	CAPACITOR 220 µF, 25 V (25TT220MS)	52318		1
	C15005	1502-0103-010	CAPACITOR .01 µF, 50 V (PC12.01-50-2)	27735		1
	C15006	1580-1020-158	CAPACITOR 1000 µF, 16 V (16TT1000MS)	52318		1
	C15007	1580-3310-150	CAPACITOR 330 µF, 16 V (16TT330MS)	52318		1
	C15008	1580-1090-500	CAPACITOR 1 µF, 50 V (50TT1MS)	52318		1
	C15009	1580-1020-049	CAPACITOR 1000 µF, 6 V (6R3TT1000MS)	52318		1
	C15030	1507-0685-018	CAPACITOR 6.8 µF, 35 V (T322D685M035AS)	31433		1
	FL15001	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL15002	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL15003	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL15004	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL15005	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL15006	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL15007	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL15008	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
9		6046-5482-800	WIRE HARNESS ASSY, PWR SUPPLY			1
	J15003	2115-5001-083	CONNECTOR, POLARIZED (03-06-1121)	27264		1
		2114-0000-018	CONTACT, CONN 18 - 24 GA (02-06-1132)	27264		1
		SEE FIG 1	WIRE, 7S 20 GA			A/R
		SEE FIG 1	TUBING, PIF 2 GA, BLK			A/R
	J15005	2115-9002-002	CONNECTOR, LOCKING (SMP02VB)	UNK020		1
		2114-9002-001	CONTACT, CONN 22 - 26 GA (SHF001T0.8SS)	UNK020		1
10		6046-5482-900	WIRE HARNESS ASSY, PWR SUPPLY BATTERY			1
			ATTACHING PARTS			
11		2109-0000-005	CLAMP, CABLE (CLE 3/8)	51705		1
12		2803-0313-006	SCREW (4-40 X 5/16 PPHM)	UNK015		1
13		2850-0000-078	WASHER D-TYPE (D3SE128GY)	UNK038		1
			---*---			
	J15004	2115-0000-007	CONNECTOR, POLARIZED (03-09-1022)	27264		1
		2114-0000-020	CONTACT, CONN 14 - 20 GA (02-09-1103)	27264		1
		SEE FIG 1	WIRE, 7S 18 GA			A/R
		SEE FIG 1	TUBING, PIF 2 GA, BLK			A/R
14		2850-0000-014	LUG, GND #4 (1411-4)	83330		1
			ATTACHING PARTS			
15		2803-0500-006	SCREW (4-40 X 1/2 PPHM)	UNK015		1
			---*---			
16		5105-0001-000	HOLDER, FUSE (348877)	UNK004		2
	F15001	5106-0000-009	FUSE, REG BLO 7.5 A, 32 V (AGC 7 1/2)	71400		1
	F15002	5106-4402-500	FUSE, FAST BLO 2.5 A, 250 V (AGC 2 1/2)	71400		1
17		SEE FIG 23	POWER SUPPLY PC BOARD ASSEMBLY			1
		2400-8002-100	DECAL 120/240 VOLTS NOT SWITCHED			1
		SEE FIG 1	WIRE, 7S 20 GA			A/R
		SEE FIG 1	TUBING, TFL 16 GA, NAT			A/R

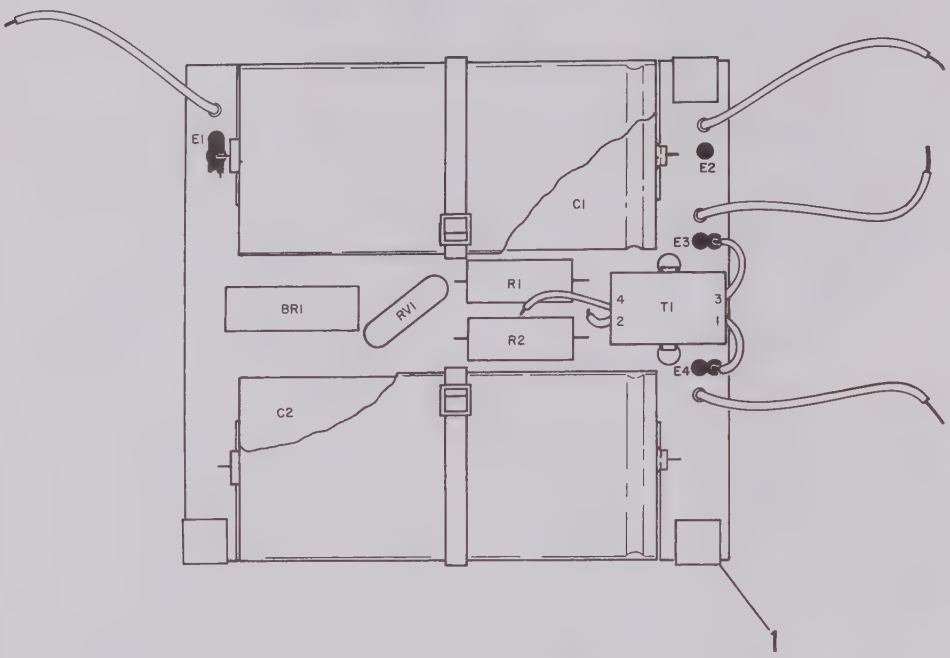
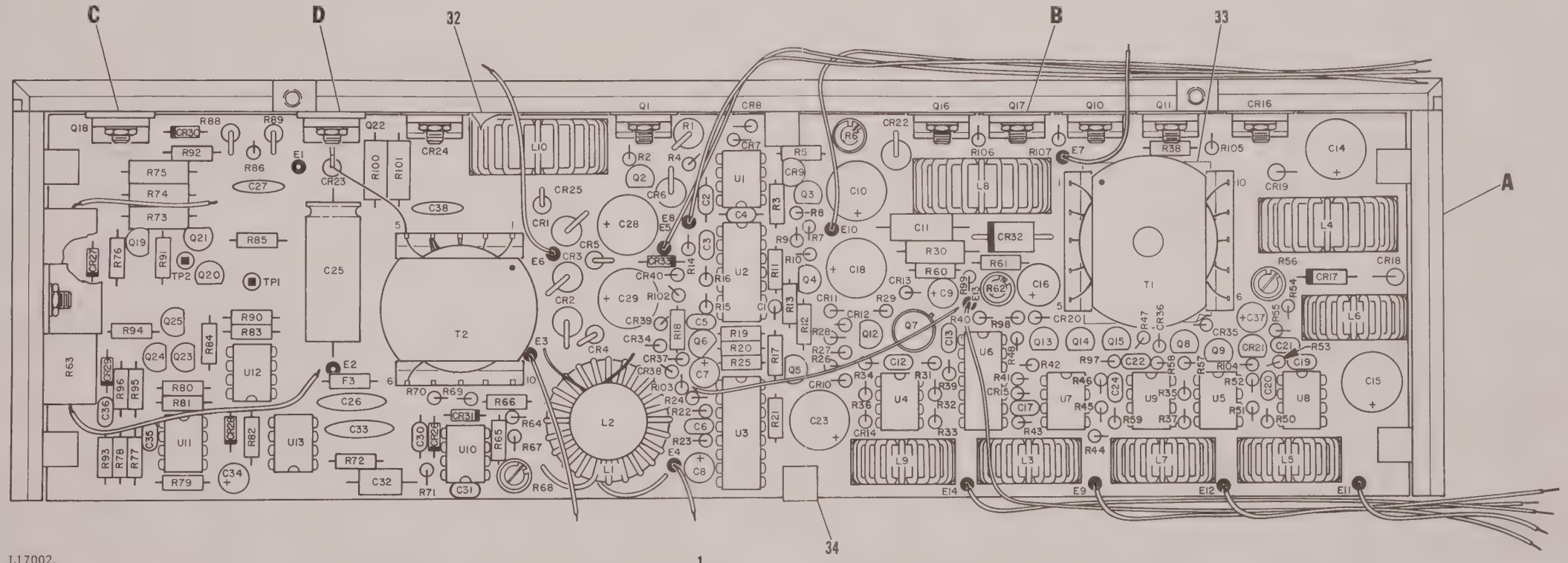
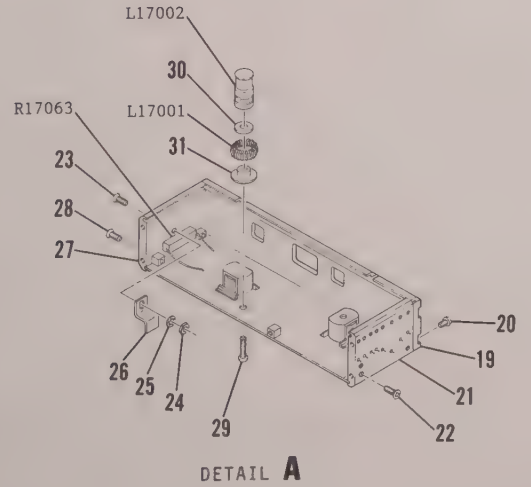


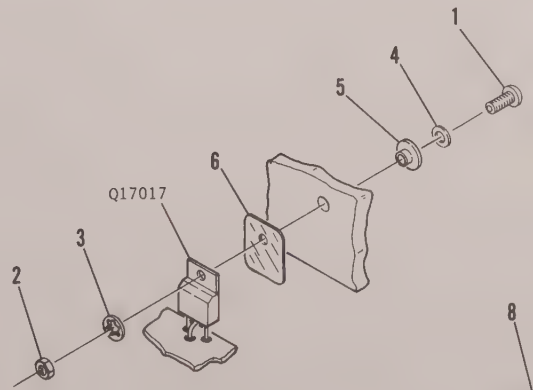
FIGURE 22 LINE RECTIFIER PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
22 -		7010-5439-600	LINE RECTIFIER PC BOARD ASSEMBLY SEE FIG 21 FOR NHA			REF
1		2100-0000-100	NUT, SWAGE 4-40 (2040B)	83330		3
	BR16001	4823-2010-600	RECTIFIER, BRIDGE 600 V, 5 A (PH60)	83701		1
	C16001	1580-1000-450	CAPACITOR 100 µF, 450 V (THU2W101TDA)	55680		1
	C16002	1580-1000-450	CAPACITOR 100 µF, 450 V (THU2W101TDA)	55680		1
		3107-5461-800	INSULATOR			1
	R16001	4705-0568-003	RESISTOR 10%, 2 W, .56 Ω (RLR42CR56KR)	81349		1
	R16002	4705-0568-003	RESISTOR 10%, 2 W, .56 Ω (RLR42CR56KR)	81349		1
	RV16001	4800-0000-011	VARISTOR, SURGE PROTECTOR (V275LA20A)	03508		1
	T16001		TRANSFORMER			NP
		SEE FIG 1	WIRE, 7S 20 GA			A/R
		SEE FIG 1	TUBING, TFL 22 GA, NAT			A/R
		SEE FIG 1	TUBING, TFL 20 GA, NAT			A/R
		SEE FIG 1	TY-RAP 4.0			A/R



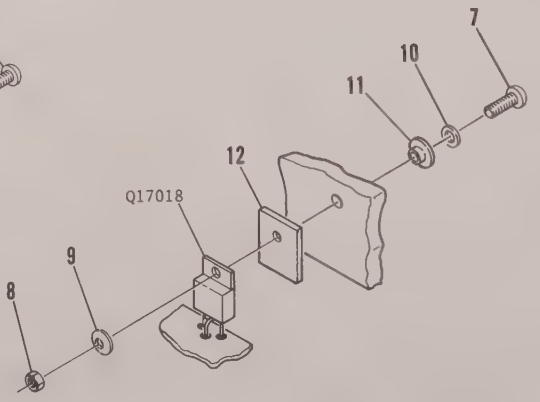


DETAIL A

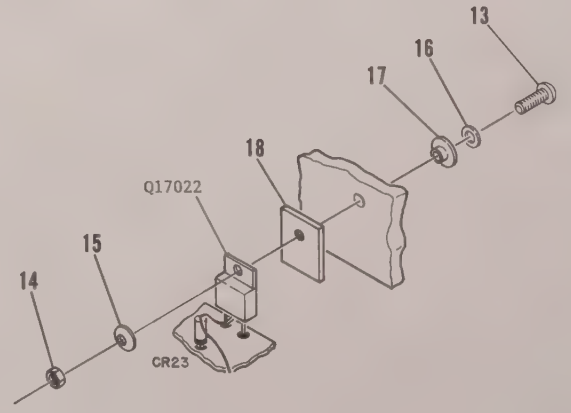


TYPICAL FOR:
CR16, CR24, Q1,
Q10, Q11, Q16,

DETAIL B



DETAIL C



DETAIL D

FIGURE 23 POWER SUPPLY PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
23 -		7010-5439-700	POWER SUPPLY PC BOARD ASSEMBLY SEE FIG 21 FOR NHA			REF
	CR17016	4822-6010-150	DIODE, RECT 150 V, 16 A (UES2403)	12969		1
	CR17024	4822-6010-150	DIODE, RECT 150 V, 16 A (UES2403)	12969		1
	Q17001	4811-0000-003	TRANSISTOR (2N6109)	02735		1
	Q17010	5050-2454-100	TRANSISTOR (IRF541)	59993		1
	Q17011	5050-2454-100	TRANSISTOR (IRF541)	59993		1
	Q17016	5050-2952-100	TRANSISTOR (IRF9521)	59993		1
	Q17017	5050-2952-100	TRANSISTOR (IRF9521)	59993		1
			ATTACHING PARTS			
1		2803-0313-006	SCREW (4-40 X 5/16 PPHM)	UNK015		1
2		2850-0000-020	NUT 4-40 (NAS671C4)	UNK016		1
3		2840-0000-003	WASHER, LOCK (#4INT TOOTH LOCKWASH)	UNK015		1
4		2840-0000-008	WASHER, FLAT #4 (AN960C4)	UNK015		1
5		4835-0000-203	WASHER, STEP (DF378F)	02735		1
6		4835-0000-103	INSULATOR (DF103B)	02735		1
			---*---			
	Q17018	4811-0000-006	TRANSISTOR (MJE8501)	04713		1
			ATTACHING PARTS			
7		2803-0375-006	SCREW (4-40 X 3/8 PPHM)	UNK015		1
8		2850-0000-020	NUT 4-40 (NAS671C4)	UNK016		1
9		2840-0000-011	WASHER, CPRSN (B52200F006)	04713		1
10		2840-0000-008	WASHER, FLAT #4 (AN960C4)	UNK015		1
11		4835-0000-203	WASHER, STEP (DF378F)	02735		1
12		3107-0417-700	INSULATOR			1
			---*---			
	Q17022	5050-2445-100	TRANSISTOR (MTP3N60)	04713		1
			ATTACHING PARTS			
13		2803-0375-006	SCREW (4-40 X 3/8 PPHM)	UNK015		1
14		2850-0000-020	NUT 4-40 (NAS671C4)	UNK016		1
15		2840-0000-011	WASHER, CPRSN (B52200F006)	04713		1
16		2840-0000-008	WASHER, FLAT #4 (AN960C4)	UNK015		1
17		4835-0000-203	WASHER, STEP (DF378F)	02735		1
18		3107-0417-700	INSULATOR			1
			---*---			
19		2506-5356-300	PLATE, MTG			1
			ATTACHING PARTS			
20		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		5
			---*---			
21		2506-5356-600	PLATE, SIDE			1
			ATTACHING PARTS			
22		2803-0500-003	SCREW (4-40 X 1/2 PFHM)	UNK015		1
			---*---			
	R17063	4709-0103-004	RESISTOR 5%, 5 W, 10 K (CP-7 10K OHM 5%)	91637		1
			ATTACHING PARTS			
23		2803-0438-003	SCREW (4-40 X 7/16 PFHM)	UNK015		1
24		2850-0000-020	NUT 4-40 (NAS671C4)	UNK016		1
25		2840-0000-003	WASHER, LOCK (#4INT TOOTH LOCKWASH)	UNK015		1
26		1400-5054-500	BRACKET, MTG			1
			---*---			
27		2506-4853-200	PLATE, SIDE			1
			ATTACHING PARTS			
28		2803-0500-003	SCREW (4-40 X 1/2 PFHM)	UNK015		2
			---*---			
	C17001	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C17002	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C17003	1506-0222-017	CAPACITOR 2200 pF, 100 V (C320C222J2G5CA)	61637		1
	C17004	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C17005	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C17006	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C17007	1580-1092-450	CAPACITOR 1 µF, 50 V (50TW1L)	52318		1
	C17008	1580-1000-035	CAPACITOR 10 µF, 35 V (35TW10MS)	UNK048		1

CONTINUED ON NEXT PAGE

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
23 -	C17009	1508-0226-018	CAPACITOR .22 µF, 35 V (T368CM03SAS)	31433		1
	C17011	1502-0334-012	CAPACITOR .33 µF, 50 V (MPC13.33-50-5)	27735		1
	C17012	1506-0272-017	CAPACITOR 2700 pF, 200 V (C320C272J2G5CA)	61637		1
	C17013	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C17014	1580-3310-360	CAPACITOR 330 µF, 35 V (35R1X330)	52318		1
	C17015	1580-3310-360	CAPACITOR 330 µF, 35 V (35R1X330)	52318		1
	C17016	1580-1002-460	CAPACITOR 10 µF, 50 V (50TW10L)	52318		1
	C17017	1506-0152-017	CAPACITOR 1500 pF, 100 V (C320C152J2G5CA)	61637		1
	C17019	1506-0680-017	CAPACITOR 68 pF, 200 V (C320C680J2G5CA)	61637		1
	C17020	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C17021	1506-0182-017	CAPACITOR 1800 pF, 100 V (C320C182J2G5CA)	61637		1
	C17022	1506-0680-017	CAPACITOR 68 pF, 200 V (C320C680J2G5CA)	61637		1
	C17023	1580-1022-155	CAPACITOR 1000 µF, 10 V (10R1X1000)	52318		1
	C17024	1625-2230-100	CAPACITOR .022 µF, 25 V (C340C223J2G5CA)	61637		1
	C17025	1502-0224-011	CAPACITOR .22 µF, 300 V (MPE11.22-300-5)	27735		1
	C17026	1501-0103-001	CAPACITOR .01 µF, 1000 V (DD103)	71950		1
	C17027	1501-0103-001	CAPACITOR .01 µF, 1000 V (DD103)	71950		1
	C17030	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C17031	1506-0680-017	CAPACITOR 68 pF, 200 V (C320C680J2G5CA)	61637		1
	C17032	1640-2230-220	CAPACITOR .022 µF, 80 V (PE13.022-80-5)	27735		1
	C17033	1501-0103-001	CAPACITOR .01 µF, 1000 V (DD103)	71950		1
	C17034	1580-1092-450	CAPACITOR 1 µF, 50 V (50TW1L)	52318		1
	C17035	1506-0182-017	CAPACITOR 1800 pF, 100 V (C320C182J2G5CA)	61637		1
	C17036	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C17037	1580-4702-105	CAPACITOR 47 µF, 10 V (CLE4.7MF10V)	62462		1
	C17038	1501-0222-004	CAPACITOR 2200 pF, 10000 V (DD222)	71590		1
	CR17001	4920-5158-450	DIODE, RECT (80SQ045)	59993		1
	CR17002	4920-5158-450	DIODE, RECT (80SQ045)	59993		1
	CR17003	4920-5158-450	DIODE, RECT (80SQ045)	59993		1
	CR17004	4818-0000-017	DIODE, RECT (RGP20D)	14936		1
	CR17005	4818-0000-017	DIODE, RECT (RGP20D)	14936		1
	CR17006	4920-5158-450	DIODE, RECT (80SQ045)	59993		1
	CR17007	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR17008	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR17009	4818-0000-015	DIODE, ZENER 6.9 V (LM329CZ)	27014		1
	CR17010	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR17011	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR17012	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR17013	4818-0000-001	DIODE, ZENER 10 V (1N5240B)	71468		1
	CR17014	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR17015	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR17017	4818-0000-017	DIODE, RECT (RGP20D)	14936		1
	CR17018	4818-0000-017	DIODE, RECT (RGP20D)	14936		1
	CR17019	4818-0000-017	DIODE, RECT (RGP20D)	14936		1
	CR17020	4818-0000-017	DIODE, RECT (RGP20D)	14936		1
	CR17021	4818-0000-015	DIODE, ZENER 6.9 V (LM329CZ)	27014		1
	CR17022	4920-5158-450	DIODE, RECT (80SQ045)	59993		1
	CR17023	4901-4937-000	DIODE, RECT (1N4937)	04713		1
	CR17025	4818-0000-017	DIODE, RECT (RGP20D)	14936		1
	CR17026	4901-5245-200	DIODE, ZENER 15 V (1N5245B)	04713		1
	CR17027	4901-5245-200	DIODE, ZENER 15 V (1N5245B)	04713		1
	CR17028	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR17029	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR17030	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR17031	4818-0000-003	DIODE, ZENER 5.1 V (1N5231B)	71468		1
	CR17032	4920-5158-300	DIODE, RECT (IR80SQ030)	59993		1
	CR17033	4815-0000-002	DIODE, RECT (1N4004)	04713		1
	CR17034	4815-0000-002	DIODE, RECT (1N4004)	04713		1
	CR17035	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR17036	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR17037	4901-5242-100	DIODE, ZENER 12 V (1N5242A)	04713		1
	CR17038	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
23 -	CR17039	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR17040	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	F17003	5106-0000-008	FUSE, FAST BLO 3 A, 125 V (255003)	UNK004		1
	L17001	1800-5051-400	INDUCTOR .1 mH @ 1 kHz			1
	L17002	1800-4884-700	INDUCTOR 160 TURN, 80 µH			1
			ATTACHING PARTS			
29		2804-0750-006	SCREW (6-32 X 3/4 PPHM)	UNK015		1
30		2840-7600-216	WASHER, FLAT PHENOLIC			1
31		2510-5064-301	HUB, MTG			1
			---*---			
	L17003	1800-5354-900	INDUCTOR .085 mH @ 1 kHz			1
	L17004	1800-5354-802	INDUCTOR 40 TURN, #18 MAGNET			1
	L17005	1800-5354-900	INDUCTOR .085 mH @ 1 kHz			1
	L17006	1800-5355-000	INDUCTOR 1.0 mH @ 1 kHz			1
	L17007	1800-5354-900	INDUCTOR .085 mH @ 1 kHz			1
	L17008	1800-5051-400	INDUCTOR .1 mH @ 1 kHz			1
	L17009	1800-5354-900	INDUCTOR .085 mH @ 1 kHz			1
	L17010	1800-5051-400	INDUCTOR .1 mH @ 1 kHz			1
32		3107-5370-100	INSULATOR			1
	Q17002	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q17003	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q17004	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q17005	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q17006	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q17007	4801-0000-004	TRANSISTOR (2N2905)	04713		1
	Q17008	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q17009	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q17012	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q17013	4807-0000-001	TRANSISTOR (2N3903-18)	27014		1
	Q17014	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q17015	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q17019	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q17020	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q17021	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q17023	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q17024	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q17025	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	R17001	4705-0568-003	RESISTOR 10%, 2 W, .56 Ω (RLR42CR56KR)	81349		1
	R17002	4703-0471-003	RESISTOR 5%, 1/2 W, 470 Ω (RLR20C471JR)	81349		1
	R17003	4702-0222-003	RESISTOR 5%, 1/4 W, 2.2 K (RLR07C222JR)	81349		1
	R17004	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R17005	4702-0822-003	RESISTOR 5%, 1/4 W, 8.2 K (RLR07C822JR)	81349		1
	R17006	4752-0202-002	RESISTOR, VAR 2 K (62-1-1-202)	02111		1
	R17007	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R17008	4702-0473-003	RESISTOR 5%, 1/4 W, 47 K (RLR07C473JR)	81349		1
	R17009	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R17010	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R17011	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R17012	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R17013	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R17014	4702-0279-003	RESISTOR 5%, 1/4 W, 2.7 Ω (RLR07C2R7JR)	81349		1
	R17015	4702-0334-003	RESISTOR 5%, 1/4 W, 330 K (RLR07C334JR)	81349		1
	R17016	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R17017	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R17018	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R17019	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R17020	4702-0104-003	RESISTOR 5%, 1/4 W, 100 K (RLR07C104JR)	81349		1
	R17021	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R17022	4702-0104-003	RESISTOR 5%, 1/4 W, 100 K (RLR07C104JR)	81349		1
	R17023	4706-2372-001	RESISTOR 1%, 1/4 W, 23.7 K (RLR07C2372FR)	81349		1
	R17024	4702-0104-003	RESISTOR 5%, 1/4 W, 100 K (RLR07C104JR)	81349		1
	R17025	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
23 -	R17026	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R17027	4702-0104-003	RESISTOR 5%, 1/4 W, 100 K (RLR07C104JR)	81349		1
	R17028	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R17029	4702-0270-003	RESISTOR 5%, 1/4 W, 27 Ω (RLR07C270JR)	81349		1
	R17030	4703-0821-003	RESISTOR 5%, 1/2 W, 820 Ω (RLR20C821JR)	81349		1
	R17031	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R17032	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R17033	4702-0333-003	RESISTOR 5%, 1/4 W, 33 K (RLR07C333JR)	81349		1
	R17034	4702-0153-003	RESISTOR 5%, 1/4 W, 15 K (RLR07C153JR)	81349		1
	R17035	4702-0823-003	RESISTOR 5%, 1/4 W, 82 K (RLR07C823JR)	81349		1
	R17036	4706-1072-001	RESISTOR 1%, 1/4 W, 10.7 K (RLR071072FR)	81349		1
	R17037	4702-0153-003	RESISTOR 5%, 1/4 W, 15 K (RLR07C153JR)	81349		1
	R17038	4702-0270-003	RESISTOR 5%, 1/4 W, 27 Ω (RLR07C270JR)	81349		1
	R17039	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R17040	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R17041	4702-0153-003	RESISTOR 5%, 1/4 W, 15 K (RLR07C153JR)	81349		1
	R17042	4702-0823-003	RESISTOR 5%, 1/4 W, 82 K (RLR07C823JR)	81349		1
	R17043	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R17044	4702-0153-003	RESISTOR 5%, 1/4 W, 15 K (RLR07C153JR)	81349		1
	R17045	4702-0562-003	RESISTOR 5%, 1/4 W, 5.6 K (RLR07C562JR)	81349		1
	R17046	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R17047	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R17048	4702-0470-003	RESISTOR 5%, 1/4 W, 47 Ω (RLR07C470JR)	81349		1
	R17050	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R17051	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R17052	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R17053	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R17054	4706-8451-001	RESISTOR 1%, 1/4 W, 8.45 K (RLR07C8451FR)	81349		1
	R17055	4706-5761-001	RESISTOR 1%, 1/4 W, 5.76 K (RLR07C5761FR)	81349		1
	R17056	4752-0202-002	RESISTOR, VAR 2 K (62-1-1-202)	02111		1
	R17057	4706-4991-001	RESISTOR 1%, 1/4 W, 4.99 K (RLR07C4991FR)	81349		1
	R17058	4706-9091-001	RESISTOR 1%, 1/4 W, 9.09 K (RLR07C9091FR)	81349		1
	R17059	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R17060	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R17061	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R17062	4752-0103-002	RESISTOR, VAR 10 K (62-1-1-103)	02111		1
	R17064	4702-0222-003	RESISTOR 5%, 1/4 W, 2.2 K (RLR07C222JR)	81349		1
	R17065	4702-0153-003	RESISTOR 5%, 1/4 W, 15 K (RLR07C153JR)	81349		1
	R17066	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R17067	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R17068	4752-0202-002	RESISTOR, VAR 2 K (62-1-1-202)	02111		1
	R17069	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R17070	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R17071	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R17072	4702-0152-003	RESISTOR 5%, 1/4 W, 1.5 K (RLR07C152JR)	81349		1
	R17073	4703-0274-002	RESISTOR 5%, 1/2 W, 270 K (RLR20C274JR)	81349		1
	R17074	4703-0274-002	RESISTOR 5%, 1/2 W, 270 K (RLR20C274JR)	81349		1
	R17075	4703-0681-003	RESISTOR 5%, 1/2 W, 680 Ω (EB6815)	01121		1
	R17076	4702-0681-003	RESISTOR 5%, 1/4 W, 680 Ω (RLR07C681JR)	81349		1
	R17077	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R17078	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R17079	4702-0333-003	RESISTOR 5%, 1/4 W, 33 K (RLR07C333JR)	81349		1
	R17080	4702-0153-003	RESISTOR 5%, 1/4 W, 15 K (RLR07C153JR)	81349		1
	R17081	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	R17082	4702-0184-003	RESISTOR 5%, 1/4 W, 180 K (RLR07C184JR)	81349		1
	R17083	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R17084	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R17085	4702-0270-003	RESISTOR 5%, 1/4 W, 27 Ω (RLR07C270JR)	81349		1
	R17086	4702-0229-003	RESISTOR 5%, 1/4 W, 2.2 Ω (RLR07C2R2JR)	81349		1
	R17088	4703-0109-003	RESISTOR 5%, 1/2 W, 1 Ω (RLR20C1R0JR)	81349		1
	R17089	4703-0109-003	RESISTOR 5%, 1/2 W, 1 Ω (RLR20C1R0JR)	81349		1
	R17090	4702-0153-003	RESISTOR 5%, 1/4 W, 15 K (RLR07C153JR)	81349		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
23 -	R17091	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R17092	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R17093	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R17094	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R17095	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R17096	4702-0222-003	RESISTOR 5%, 1/4 W, 2.2 K (RLR07C222JR)	81349		1
	R17097	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R17098	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R17099	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R17100	4703-0330-003	RESISTOR 5%, 1/2 W, 33 Ω (RLR20C330JR)	81349		1
	R17101	4703-0330-003	RESISTOR 5%, 1/2 W, 33 Ω (RLR20C330JR)	81349		1
	R17102	4702-0105-003	RESISTOR 5%, 1/4 W, 1 M (RLR07C105JR)	81349		1
	R17103	4702-0105-003	RESISTOR 5%, 1/4 W, 1 M (RLR07C105JR)	81349		1
	R17104	4702-0563-003	RESISTOR 5%, 1/4 W, 56 K (RLR07C563JR)	81349		1
	R17105	4702-0270-003	RESISTOR 5%, 1/4 W, 27 Ω (RLR07C270JR)	81349		1
	R17106	4702-0270-003	RESISTOR 5%, 1/4 W, 27 Ω (RLR07C270JR)	81349		1
	R17107	4702-0270-003	RESISTOR 5%, 1/4 W, 27 Ω (RLR07C270JR)	81349		1
	T17001	5604-5355-101	TRANSFORMER			1
33		3107-5052-208	INSULATOR			1
	T17002	5604-4880-300	TRANSFORMER			1
	TP17001	2114-0000-007	POST, GANG (85931-6)	00779		1
	TP17002	2114-0000-007	POST, GANG (85931-6)	00779		1
	U17001	3130-0000-025	IC, OP AMP (LM741CH)	27014		1
	U17002	3214-4013-100	IC, DUAL D FLIP-FLOP (CD4013BE)	02735		1
	U17003	3214-5036-100	IC, PROGRAMMABLE TIMER (CD4536BE)	02735		1
	U17004	3133-0000-024	IC, BIMOS OP AMP (CA3130E)	02735		1
	U17005	3133-0000-024	IC, BIMOS OP AMP (CA3130E)	02735		1
	U17006	3133-0000-016	IC, ASTABLE MULTIVIBRATOR (CD4047BE)	02735		1
	U17007	3133-0000-024	IC, BIMOS OP AMP (CA3130E)	02735		1
	U17008	3133-0000-024	IC, BIMOS OP AMP (CA3130E)	02735		1
	U17009	3133-0000-024	IC, BIMOS OP AMP (CA3130E)	02735		1
	U17010	3133-0000-024	IC, BIMOS OP AMP (CA3130E)	02735		1
	U17011	3133-0000-024	IC, BIMOS OP AMP (CA3130E)	02735		1
	U17012	3133-0000-024	IC, BIMOS OP AMP (CA3130E)	02735		1
	U17013	4819-0000-005	IC, OPTO-COUPLER (6N135)	54893		1
34		2100-0000-100	NUT, SWAGE 4-40 (2040B)	83330		6
		SEE FIG 1	WIRE, BUS 18 GA			A/R
		SEE FIG 1	WIRE, BUS 22 GA			A/R
		SEE FIG 1	WIRE, 7S 18 GA			A/R
		SEE FIG 1	WIRE, 7S 22 GA			A/R
		SEE FIG 1	WIRE, 7S 26 GA			A/R
		SEE FIG 1	TUBING, TFL 16 GA, NAT			A/R
		SEE FIG 1	TUBING, TFL 18 GA, NAT			A/R
		SEE FIG 1	TUBING, TFL 22 GA, NAT			A/R
	C17010	1580-3310-360	CAPACITOR 330 µF, 35 V (35R1X330)	52318		1
	C17018	1580-3310-360	CAPACITOR 330 µF, 35 V (35R1X330)	52318		1
	C17028	1580-3310-360	CAPACITOR 330 µF, 35 V (35R1X330)	52318		1
	C17029	1580-3310-360	CAPACITOR 330 µF, 35 V (35R1X330)	52318		1

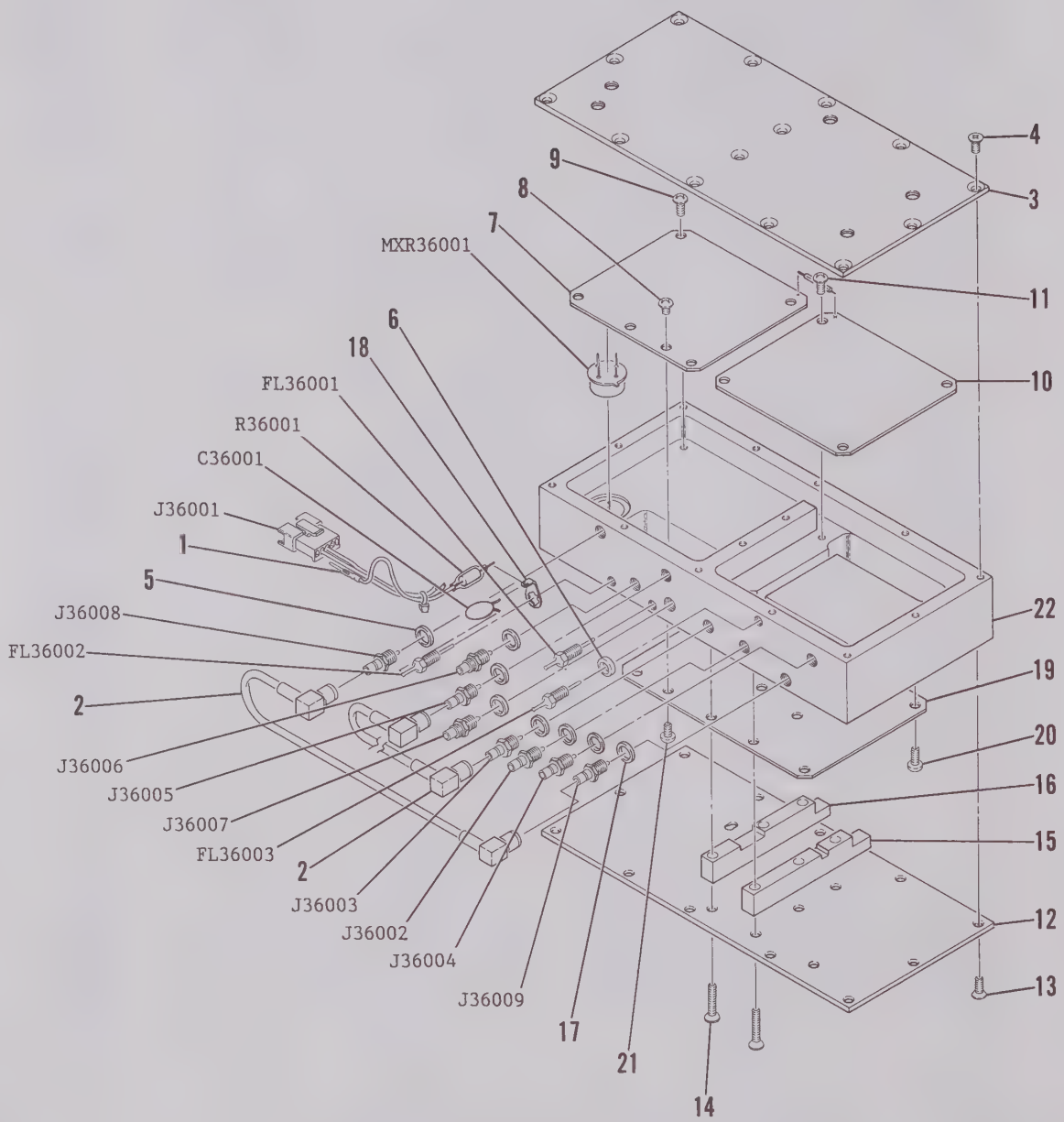


FIGURE 24 SECOND LO SUMMING LOOP ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
24 -		7005-5344-800	SECOND LO SUMMING LOOP ASSEMBLY SEE FIG 8 FOR NHA			REF
	J36001	2115-9001-005	CONNECTOR, LOCKING (SMR05VB)	UNK020		1
1		2114-9001-001	CONTACT, CONN 22 - 26 GA (SYM001T0.6)	UNK020		3
2		6050-0040-550	CABLE ASSY, COAX FLEX			2
3		1414-5358-600	COVER, ENCLOSURE			1
			ATTACHING PARTS			
4		2803-0188-003	SCREW (4-40 X 3/16 PFHM)	UNK015		14
			---*---			
	C36001	1605-3360-475	CAPACITOR 33 µF, 16 V (T350H336M016AS)	31433		1
	R36001	4702-0229-003	RESISTOR 5%, 1/4 W, 2.2 Ω (RLR07C2R2JR)	81349		1
	J36004	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
	J36005	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
	J36008	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
			ATTACHING PARTS			
5		2840-7600-229	WASHER, FLAT			1
			---*---			
	FL36003	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
			ATTACHING PARTS			
6		2800-7600-179	SPACER			1
			---*---			
7		SEE FIG 25	SECOND LO MIXER PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
8		2803-0125-006	SCREW (4-40 X 1/8 PPHM)	UNK015		1
9		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		5
			---*---			
	MXR36001	5250-0804-301	MIXER 700 - 1500 MHz (M43T1)	59277		1
10		SEE FIG 26	1000 MHz MULTIPLIER PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
11		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		4
			---*---			
12		1414-5358-500	COVER, ENCLOSURE			1
			ATTACHING PARTS			
13		2803-0188-003	SCREW (4-40 X 3/16 PFHM)	UNK015		13
14		2803-0563-003	SCREW (4-40 X 9/16 PFHM)	UNK015		6
			---*---			
15		2100-5362-000	BLOCK, MTG			1
16		2100-5353-200	BLOCK, MTG			1
	J36002	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
	J36003	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
	J36006	2200-3910-200	CONNECTOR, BULKHEAD (1019-7511-000)	19505		1
	J36007	2200-3910-200	CONNECTOR, BULKHEAD (1019-7511-000)	19505		1
	J36009	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
			ATTACHING PARTS			
17		2840-7600-229	WASHER, FLAT			1
			---*---			
	FL36001	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL36002	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
			ATTACHING PARTS			
18		2850-0000-100	LUG, GND #8 (428-169)	79963		1
			---*---			
19		SEE FIG 27	1160 MHz VCO PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
20		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		4
21		2803-0125-006	SCREW (4-40 X 1/8 PPHM)	UNK015		1
			---*---			
22		1415-5358-700	ENCLOSURE, BLOCK			1
		SEE FIG 1	WIRE, 7S 22 GA			A/R
		SEE FIG 1	TUBING, TFL 22 GA, NAT			A/R
		SEE FIG 1	TUBING, HS 3/16, CLR			A/R
		SEE FIG 1	TY-RAP 4.0			A/R

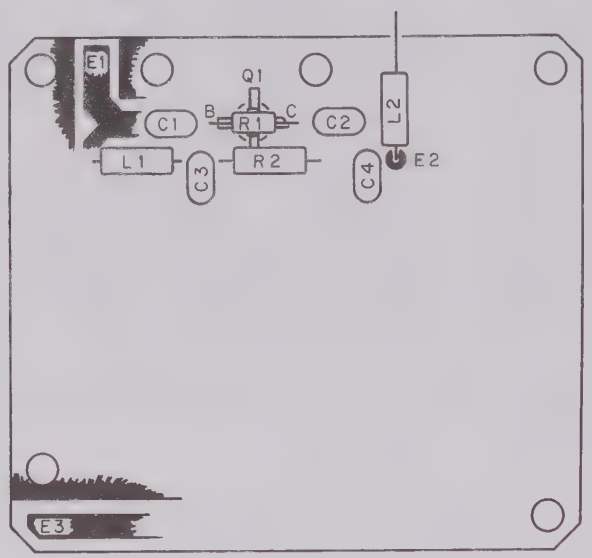


FIGURE 25 SECOND LO MIXER PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
25 -		7010-5334-900	SECOND LO MIXER PC BOARD ASSEMBLY SEE FIG 24 FOR NHA			REF
	C18001	1506-0050-017	CAPACITOR 5.5 pF, 100 V (RPE110C0G5R5C100V)	72982		1
	C18002	1506-0050-017	CAPACITOR 5.5 pF, 100 V (RPE110C0G5R5C100V)	72982		1
	C18003	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C18004	1506-0180-017	CAPACITOR 18 pF, 200 V (C320C180J2G5CA)	61637		1
	L18001	1801-0109-001	INDUCTOR 1 µH (1025-20)	99800		1
	L18002	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800		1
	Q18001	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	R18001	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R18002	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1

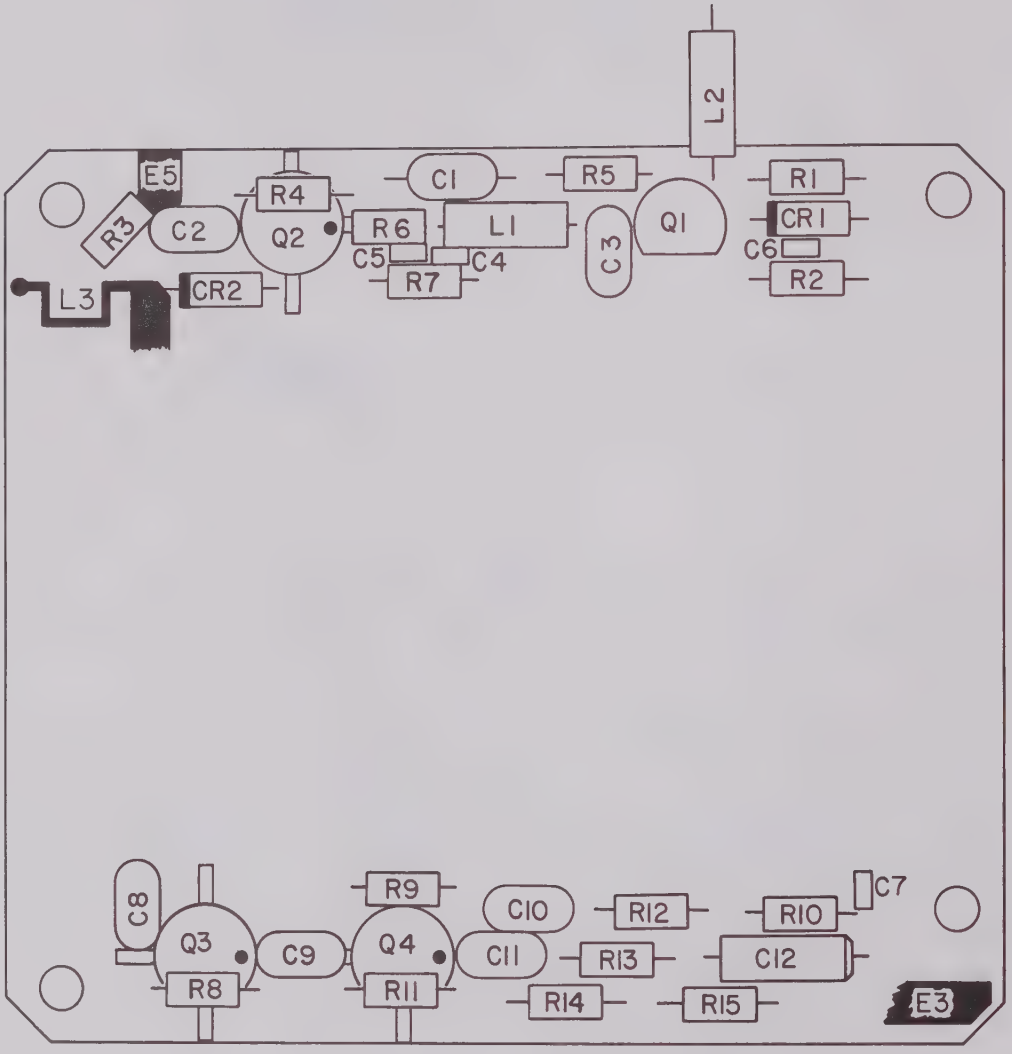


FIGURE 26 1000 MHz MULTIPLIER PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF QTY
26 -		7010-5335-000	1000 MHz MULTIPLIER PC BOARD ASSEMBLY SEE FIG 24 FOR NHA		REF
	C37001	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299	1
	C37002	1506-0330-017	CAPACITOR 33 pF, 200 V (C320C330J2G5CA)	61637	1
	C37003	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637	1
	C37004	1523-0000-005	CAPACITOR 10 pF, 50 V (C805C100J5GAH)	61637	1
	C37005	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982	1
	C37006	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982	1
	C37007	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982	1
	C37008	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637	1
	C37009	1506-0050-017	CAPACITOR 5.5 pF, 100 V (RPE110C0G5R5C100V)	72982	1
	C37010	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637	1
	C37011	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637	1
	C37012	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433	1
	CR37001	4815-0000-003	DIODE, SIGNAL (1N4148)	71468	1
	CR37002	4826-0000-003	DIODE, SNAP (PR161A)	96341	1
	L37001	1801-0158-001	INDUCTOR .15 µH (1025-00)	99800	1
	L37002	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800	1
	Q37001	4805-0000-001	TRANSISTOR (PN2907A)	12467	1
	Q37002	4803-0000-004	TRANSISTOR (SRF3114)	04713	1
	Q37003	4803-0000-004	TRANSISTOR (SRF3114)	04713	1
	Q37004	4803-0000-004	TRANSISTOR (SRF3114)	04713	1
	R37001	4701-0152-003	RESISTOR 5%, 1/8 W, 1.5 K (RLR05C152JR)	81349	1
	R37002	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349	1
	R37003	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124	1
	R37004	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349	1
	R37005	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349	1
	R37006	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124	1
	R37007	4701-0183-003	RESISTOR 5%, 1/8 W, 18 K (RLR05C183JR)	81349	1
	R37008	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349	1
	R37009	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349	1
	R37010	4701-0330-003	RESISTOR 5%, 1/8 W, 33 Ω (RLR05C330JR)	81349	1
	R37011	4701-0123-003	RESISTOR 5%, 1/8 W, 12 K (RLR05C123JR)	81349	1
	R37012	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349	1
	R37013	4701-0510-003*	RESISTOR 5%, 1/8 W, 51 Ω (RLR05C510JR)	81349	1
	R37014	4701-0121-003@	RESISTOR 5%, 1/8 W, 120 Ω (RLR05C121JR)	81349	1
	R37015	4701-0121-003@	RESISTOR 5%, 1/8 W, 120 Ω (RLR05C121JR)	81349	1
		SEE FIG 1	WIRE, 7S 26 GA		1

NOTE: * SELECTED AT TEST (SAT)
NOMINAL VALUE = 82 Ω
SELECT RANGE = 51 Ω OR 56 Ω

@ SELECTED AT TEST (SAT)
NOMINAL VALUE = 82 Ω
SELECT RANGE = 110 Ω OR 120 Ω

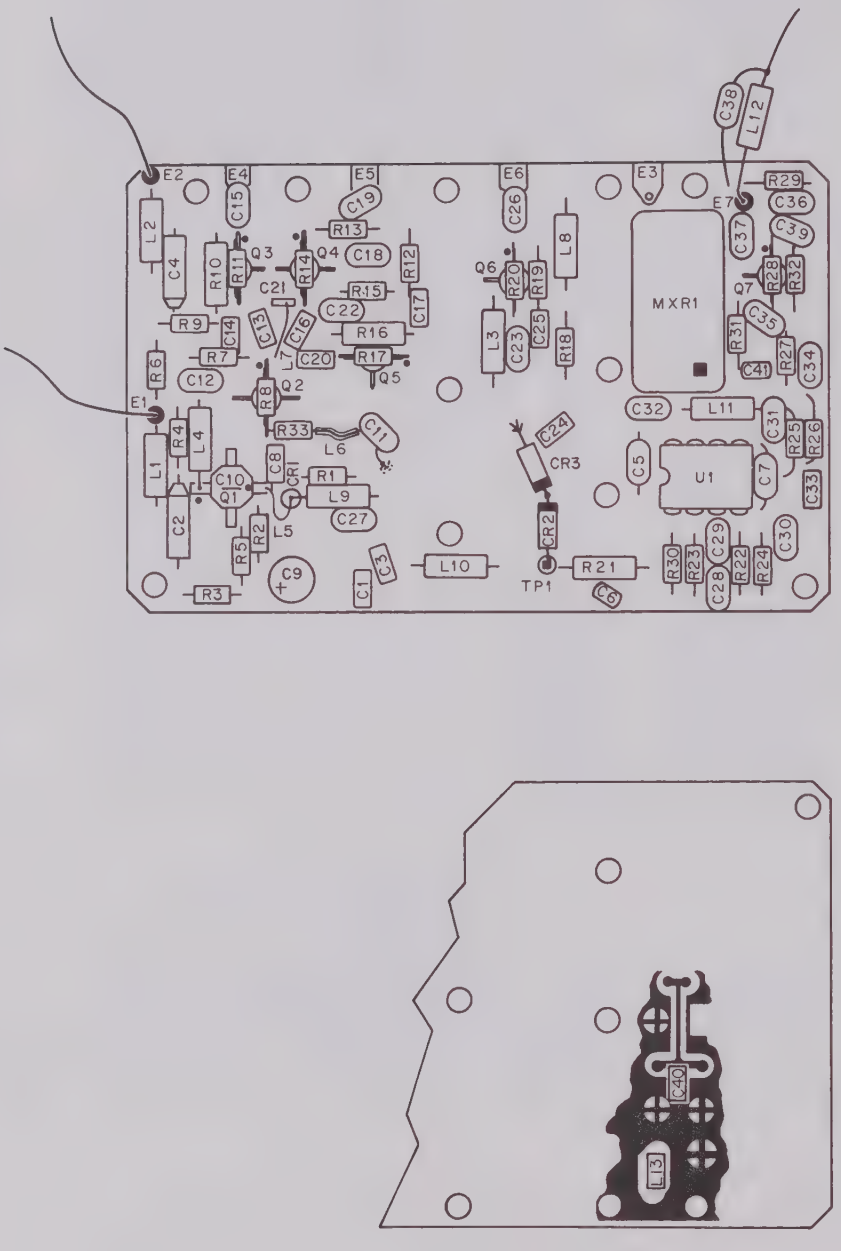


FIGURE 27 1160 MHz VCO PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF QTY
27 -		7010-5334-800	1160 MHz VCO PC BOARD ASSEMBLY SEE FIG 24 FOR NHA		REF
	C38001	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982	1
	C38002	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433	1
	C38003	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982	1
	C38004	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433	1
	C38005	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299	1
	C38006	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982	1
	C38007	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299	1
	C38008	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982	1
	C38009	1605-3360-475	CAPACITOR 33 µF, 16 V (T350H336M016AS)	31433	1
	C38010	1550-0100-520	CAPACITOR, VAR 2.5 - 10 pF (9410-1)	29454	1
	C38011	1506-0030-017	CAPACITOR 3.3 pF, 100 V (RPE110C0G3R3C100V)	72982	1
	C38012	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637	1
	C38013	1620-2090-510	CAPACITOR 2 pF, 200 V (C0805C209D2GAC)	61637	1
	C38014	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982	1
	C38015	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637	1
	C38016	1620-2090-510	CAPACITOR 2 pF, 200 V (C0805C209D2GAC)	61637	1
	C38017	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982	1
	C38018	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637	1
	C38019	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637	1
	C38020	1620-2090-510	CAPACITOR 2 pF, 200 V (C0805C209D2GAC)	61637	1
	C38021	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982	1
	C38022	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637	1
	C38023	1506-0030-017	CAPACITOR 3.3 pF, 100 V (RPE110C0G3R3C100V)	72982	1
	C38024	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982	1
	C38025	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982	1
	C38026	1506-0050-017	CAPACITOR 5.5 pF, 100 V (RPE110C0G5R5C100V)	72982	1
	C38027	1506-0220-017	CAPACITOR 22 pF, 200 V (C320C220J2G5CA)	61637	1
	C38028	1506-0680-017	CAPACITOR 68 pF, 200 V (C320C680J2G5CA)	61637	1
	C38029	1506-0222-017	CAPACITOR 2200 pF, 100 V (C320C222J2G5CA)	61637	1
	C38030	1506-0472-017*	CAPACITOR 4700 pF, 100 V (C320C472J2G5CA)	61637	1
	C38031	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637	1
	C38032	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637	1
	C38033	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982	1
	C38034	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637	1
	C38035	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637	1
	C38036	1506-0680-017	CAPACITOR 68 pF, 200 V (C320C680J2G5CA)	61637	1
	C38037	1506-0180-017	CAPACITOR 18 pF, 200 V (C320C180J2G5CA)	61637	1
	C38038	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637	1
	C38039	1506-0272-017	CAPACITOR 2700 pF, 200 V (C320C272J2G5CA)	61637	1
	C38040	1523-0000-005	CAPACITOR 10 pF, 50 V (C805C100J5GAH)	61637	1
	C38041	1523-0000-005	CAPACITOR 10 pF, 50 V (C805C100J5GAH)	61637	1
	CR38001	4930-0100-200	DIODE, VARACTOR (MV209)	04713	1
	CR38002	4818-0000-003	DIODE, ZENER 5.1 V (1N5231B)	71468	1
	CR38003	4815-0000-003	DIODE, SIGNAL (1N4148)	71468	1
	L38001	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800	1
	L38002	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800	1
	L38003	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800	1
	L38004	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800	1
	L38008	1801-0109-001	INDUCTOR 1 µH (1025-20)	99800	1
	L38009	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800	1
	L38010	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800	1
	L38011	1801-0478-001	INDUCTOR .47 µH (1025-12)	99800	1
	L38012	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800	1
	L38013	1811-0500-001	INDUCTOR 50 nH, .480 Ω (1008CT-500)	02113	1
	MXR38001	5250-0100-100	MIXER 1 - 500 MHz (SBL1-18)	15542	1
	Q38001	4803-0000-004	TRANSISTOR (SRF3114)	04713	1
	Q38002	5010-0203-100	TRANSISTOR (HXTR3101)	54893	1
	Q38003	5010-0203-100	TRANSISTOR (HXTR3101)	54893	1
	Q38004	5010-0203-100	TRANSISTOR (HXTR3101)	54893	1
	Q38005	5010-0203-100	TRANSISTOR (HXTR3101)	54893	1

CONTINUED ON NEXT PAGE

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
27 -	Q38006	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q38007	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	R38001	4701-0472-003	RESISTOR 5%, 1/8 W, 4.7 K (RLR05C472JR)	81349		1
	R38002	4701-0472-003	RESISTOR 5%, 1/8 W, 4.7 K (RLR05C472JR)	81349		1
	R38003	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R38004	4701-0470-003	RESISTOR 5%, 1/8 W, 47 Ω (RLR05C470JR)	81349		1
	R38005	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R38006	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R38007	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R38008	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R38009	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R38010	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R38011	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R38012	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R38013	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R38014	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R38015	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R38016	4702-0681-003	RESISTOR 5%, 1/4 W, 680 Ω (RLR07C681JR)	81349		1
	R38017	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R38018	4701-0470-003	RESISTOR 5%, 1/8 W, 47 Ω (RLR05C470JR)	81349		1
	R38019	4701-0681-003	RESISTOR 5%, 1/8 W, 680 Ω (RLR05C681JR)	81349		1
	R38020	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R38021	4702-0470-003	RESISTOR 5%, 1/4 W, 47 Ω (RLR07C470JR)	81349		1
	R38022	4701-0475-003	RESISTOR 5%, 1/8 W, 4.7 Ω (BB4755)	01121		1
	R38023	4701-0104-003	RESISTOR 5%, 1/8 W, 100 K (RLR05C104JR)	81349		1
	R38024	4701-0104-003	RESISTOR 5%, 1/8 W, 100 K (RLR05C104JR)	81349		1
	R38025	4701-0470-003	RESISTOR 5%, 1/8 W, 47 Ω (RLR05C470JR)	81349		1
	R38026	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R38027	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R38028	4701-0273-003	RESISTOR 5%, 1/8 W, 27 K (RLR05C273JR)	81349		1
	R38029	4701-0390-003	RESISTOR 5%, 1/8 W, 39 Ω (RLR05C390JR)	81349		1
	R38030	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R38031	4701-0220-003	RESISTOR 5%, 1/8 W, 22 Ω (RLR05C220JR)	81349		1
	R38032	4701-0391-003	RESISTOR 5%, 1/8 W, 390 Ω (RLR05C391JR)	81349		1
	R38033	4701-0560-003	RESISTOR 5%, 1/8 W, 56 Ω (RLR05C560JR)	81349		1
	TP38001	2114-0000-007	POST, GANG (85931-6)	00779		1
	U38001	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1
		SEE FIG 1	WIRE, BUS 22 GA			A/R
		SEE FIG 1	WIRE, BUS 26 GA			A/R
		SEE FIG 1	TUBING, TFL 26 GA, NAT			A/R

NOTE: * SELECTED AT TEST (SAT)
NOMINAL VALUE = 4700 pF
SELECT RANGE = 1800 pF THRU 4700 pF

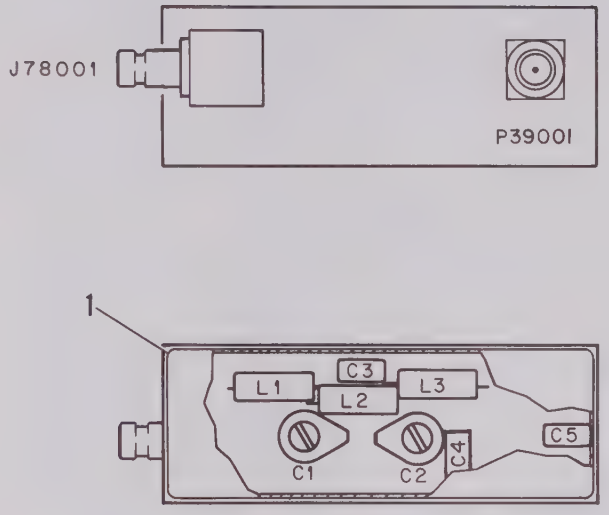


FIGURE 28 1380-2350 MHz VCO FILTER PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
28 -		7010-5336-100	1380-2350 MHz VCO FILTER PC BOARD ASSEMBLY SEE FIG 8 FOR NHA			REF
1		2508-5361-900	SHIELD, PC BD			1
	J78001	2123-0000-055	CONNECTOR, SMB (2010-7511-000)	19505		1
	P39001	2123-0000-056	CONNECTOR, SMB (2025-7511-000)	19505		1
	C78001	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C78002	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C78003	1523-0000-004	CAPACITOR 47 pF, 100 V (GRM40C0G470K100VPT)	72982		1
	C78004	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40C0G220K50V)	72982		1
	C78005	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40C0G220K50V)	72982		1
	L78001	1801-0688-001	INDUCTOR .68 µH (1025-16)	99800		1
	L78002	1801-0688-001	INDUCTOR .68 µH (1025-16)	99800		1
	L78003	1801-0159-001	INDUCTOR 1.5 µH (1025-24)	99800		1

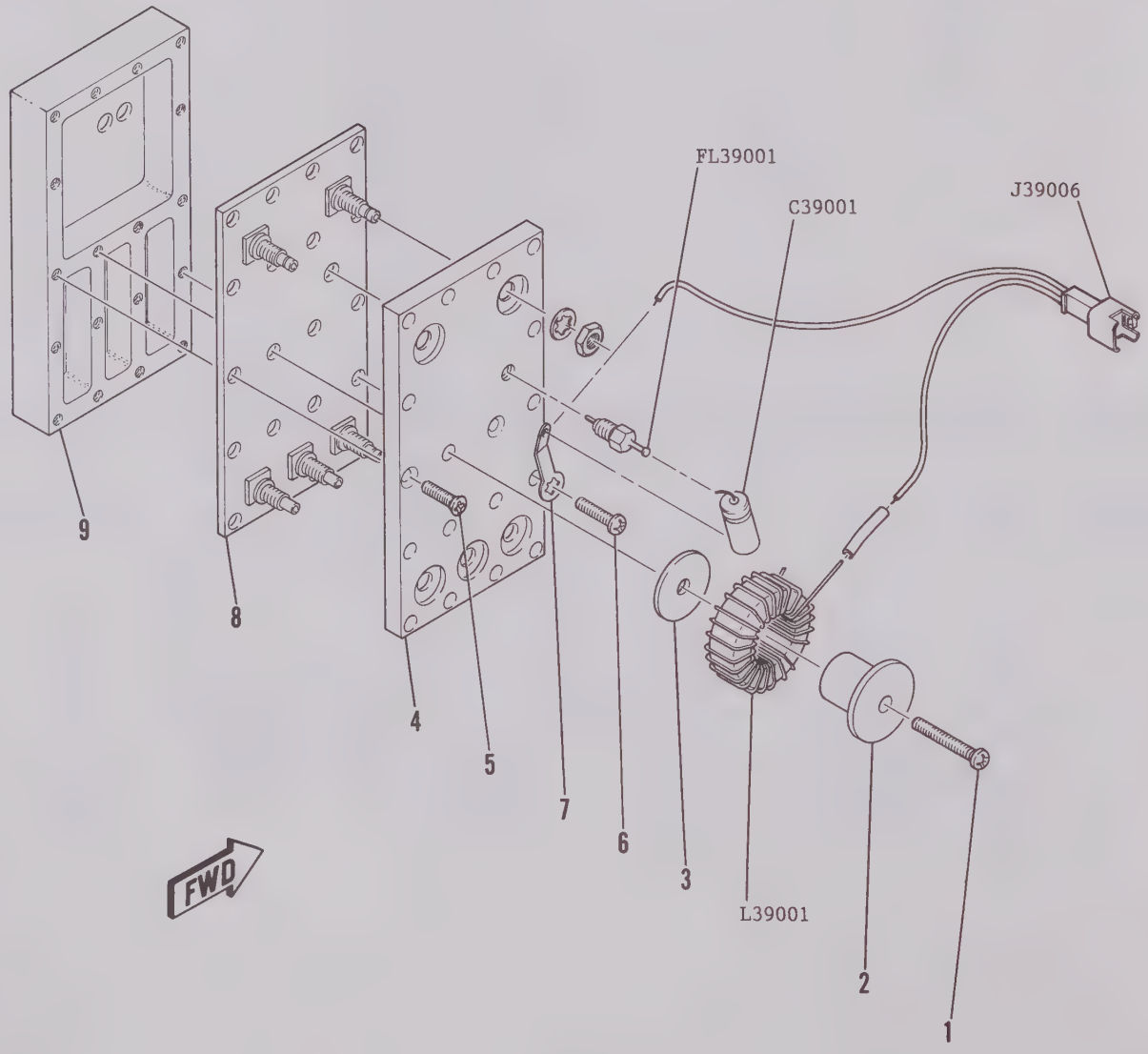


FIGURE 29 1350-2350 MHz VCO ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
29 -		7005-5345-600	1350-2350 MHz VCO ASSEMBLY SEE FIG 8 FOR NHA			REF
	J39006	2115-9001-002	CONNECTOR, LOCKING (SMR02VB)	UNK020		1
		2114-9001-001	CONTACT, CONN 22 - 26 GA (SYM001T0.6)	UNK020		1
	C39001	1580-4700-215	CAPACITOR 47 µF, 25 V (25TT47MS)	52318		1
	L39001	1800-5051-400	INDUCTOR .1 mH @ 1 kHz			1
			ATTACHING PARTS			
1		2803-0875-006	SCREW (4-40 X 7/8 PPHM)	UNK015		1
2		2510-5064-301	HUB, MTG			1
3		2840-7600-216	WASHER, FLAT PHENOLIC			1
			---*---			
4		1415-5360-000	COVER, ENCLOSURE			1
			ATTACHING PARTS			
5		2803-0438-003	SCREW (4-40 X 7/16 PFHM)	UNK015		2
6		2803-0438-006	SCREW (4-40 X 7/16 PPHM)	UNK015		15
7		2850-0000-014	LUG, GND #4 (1411-4)	83330		1
			---*---			
	FL39001	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
8		SEE FIG 30	1350-2350 MHz VCO FILTER PC BOARD ASSEMBLY			1
9		1415-5360-100	ENCLOSURE, BLOCK			1
		SEE FIG 1	WIRE, 7S 22 GA			A/R
		SEE FIG 1	TUBING, HS 1/16, BLK			A/R

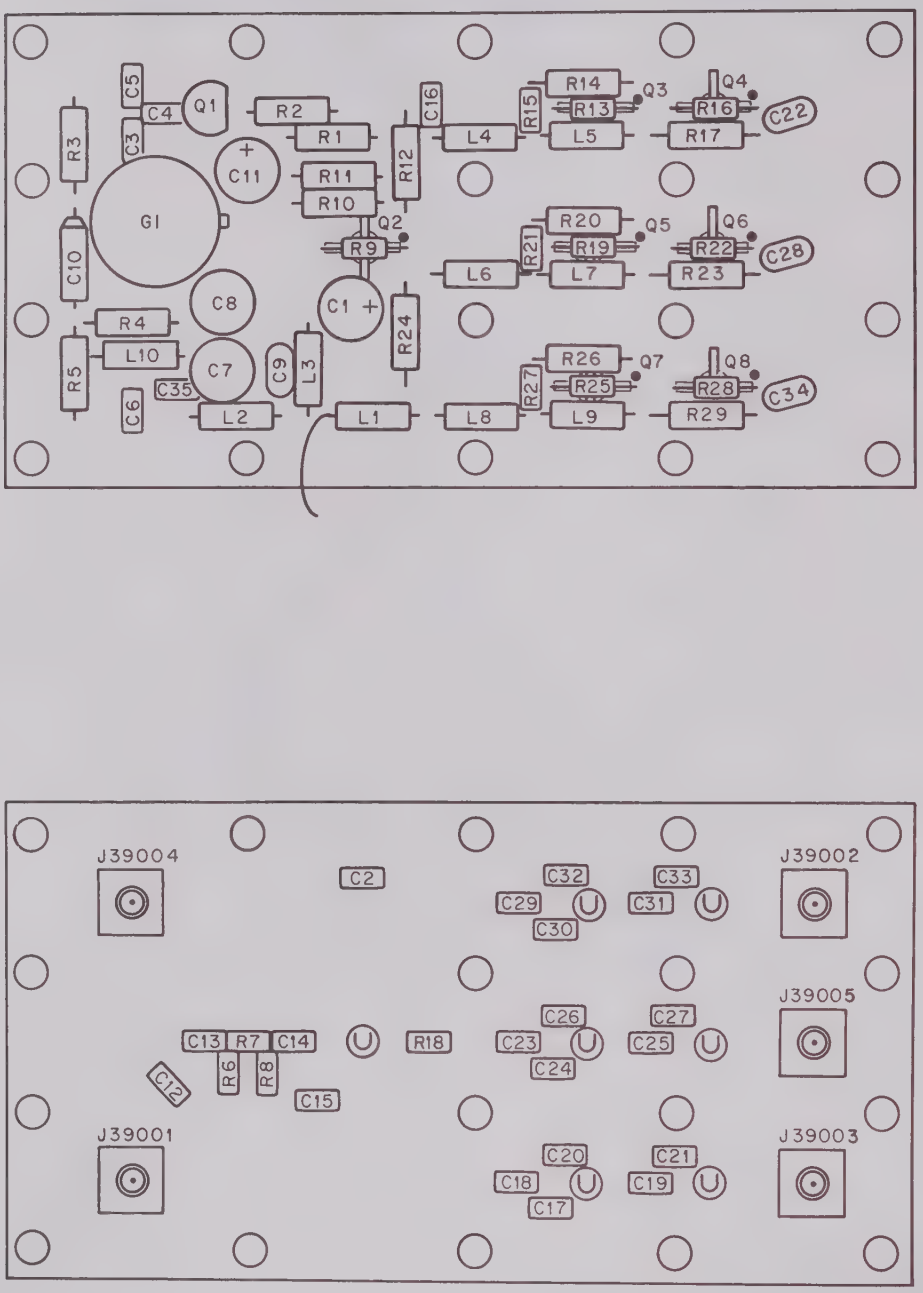


FIGURE 30 1350-2350 MHz VCO FILTER PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
30 -		7010-5335-600	1350-2350 MHz VCO FILTER PC BOARD ASSEMBLY SEE FIG 29 FOR NHA			REF
	J39001	2200-2010-200	CONNECTOR, SMB (2109-6511-001) INCL MTG HARDWARE	19505		1
	J39002	2200-2010-200	CONNECTOR, SMB (2109-6511-001) INCL MTG HARDWARE	19505		1
	J39003	2200-3010-200	CONNECTOR, SMC (1109-7511-002 INCL MTG HARDWARE			1
	J39004	2200-2010-200	CONNECTOR, SMB (2109-6511-001) INCL MTG HARDWARE	19505		1
	J39005	2200-3010-200	CONNECTOR, SMC (2109-5611-001) INCL MTG HARDWARE			1
	C40001	1580-4700-216	CAPACITOR 47 µF, 16 V (USA1C470MCA)	55680		1
	C40002	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C40003	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40COG220K50V)	72982		1
	C40004	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40COG220K50V)	72982		1
	C40005	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40COG220K50V)	72982		1
	C40006	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40COG220K50V)	72982		1
	C40007	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C40008	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C40009	1506-0470-017	CAPACITOR 47 pF, 200 V (C320C470J2G5CA)	61637		1
	C40010	1507-0334-018	CAPACITOR .33 µF, 35 V (T322A334M035AS)	31433		1
	C40011	1580-4700-216	CAPACITOR 47 µF, 16 V (USA1C470MCA)	55680		1
	C40012	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C40013	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C40014	1620-2090-510	CAPACITOR 2 pF, 200 V (C0805C209D2GAC)	61637		1
	C40015	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C40016	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C40017	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C40018	1620-2090-510	CAPACITOR 2 pF, 200 V (C0805C209D2GAC)	61637		1
	C40019	1620-2090-510	CAPACITOR 2 pF, 200 V (C0805C209D2GAC)	61637		1
	C40020	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C40021	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C40022	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C40023	1620-2090-510	CAPACITOR 2 pF, 200 V (C0805C209D2GAC)	61637		1
	C40024	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C40025	1620-2090-510	CAPACITOR 2 pF, 200 V (C0805C209D2GAC)	61637		1
	C40026	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C40027	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C40028	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C40029	1620-2090-510	CAPACITOR 2 pF, 200 V (C0805C209D2GAC)	61637		1
	C40030	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C40031	1620-2090-510	CAPACITOR 2 pF, 200 V (C0805C209D2GAC)	61637		1
	C40032	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C40033	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C40034	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C40035	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40COG220K50V)	72982		1
	G40001	5850-0000-020	OSCILLATOR 1.3 - 2.3 GHz, +11VDC (V084-2222)	24539		1
	L40001	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L40002	1801-0688-001	INDUCTOR .68 µH (1025-16)	99800		1
	L40003	1801-0688-001	INDUCTOR .68 µH (1025-16)	99800		1
	L40004	1801-0109-001	INDUCTOR 1 µH (1025-20)	99800		1
	L40005	1801-0109-001	INDUCTOR 1 µH (1025-20)	99800		1
	L40006	1801-0109-001	INDUCTOR 1 µH (1025-20)	99800		1
	L40007	1801-0109-001	INDUCTOR 1 µH (1025-20)	99800		1
	L40008	1801-0109-001	INDUCTOR 1 µH (1025-20)	99800		1
	L40009	1801-0109-001	INDUCTOR 1 µH (1025-20)	99800		1
	L40010	1801-0159-001	INDUCTOR 1.5 µH (1025-24)	99800		1
	Q40001	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q40002	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q40003	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q40004	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1

CONTINUED ON NEXT PAGE

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
30 -	Q40005	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q40006	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q40007	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q40008	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	R40001	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R40002	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R40003	4702-0222-003	RESISTOR 5%, 1/4 W, 2.2 K (RLR07C222JR)	81349		1
	R40004	4702-0151-003	RESISTOR 5%, 1/4 W, 150 Ω (RLR07C151JR)	81349		1
	R40005	4702-0470-003	RESISTOR 5%, 1/4 W, 47 Ω (RLR07C470JR)	81349		1
	R40006	4719-0121-002	RESISTOR 5%, 1/8 W, 120 Ω (9C12063A1200JLR)	56699		1
	R40007	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124		1
	R40008	4719-0121-002	RESISTOR 5%, 1/8 W, 120 Ω (9C12063A1200JLR)	56699		1
	R40009	4701-0153-003	RESISTOR 5%, 1/8 W, 15 K (RLR05C153JR)	81349		1
	R40010	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R40011	4702-0470-003	RESISTOR 5%, 1/4 W, 47 Ω (RLR07C470JR)	81349		1
	R40012	4702-0510-002	RESISTOR 5%, 1/4 W, 51 Ω (RLR07C510JR)	81349		1
	R40013	4701-0333-003	RESISTOR 5%, 1/8 W, 33 K (RLR05C333JR)	81349		1
	R40014	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R40015	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124		1
	R40016	4701-0153-003	RESISTOR 5%, 1/8 W, 15 K (RLR05C153JR)	81349		1
	R40017	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R40018	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124		1
	R40019	4701-0333-003	RESISTOR 5%, 1/8 W, 33 K (RLR05C333JR)	81349		1
	R40020	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R40021	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124		1
	R40022	4701-0153-003	RESISTOR 5%, 1/8 W, 15 K (RLR05C153JR)	81349		1
	R40023	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R40024	4702-0510-002	RESISTOR 5%, 1/4 W, 51 Ω (RLR07C510JR)	81349		1
	R40025	4701-0333-003	RESISTOR 5%, 1/8 W, 33 K (RLR05C333JR)	81349		1
	R40026	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R40027	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124		1
	R40028	4701-0153-003	RESISTOR 5%, 1/8 W, 15 K (RLR05C153JR)	81349		1
	R40029	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1

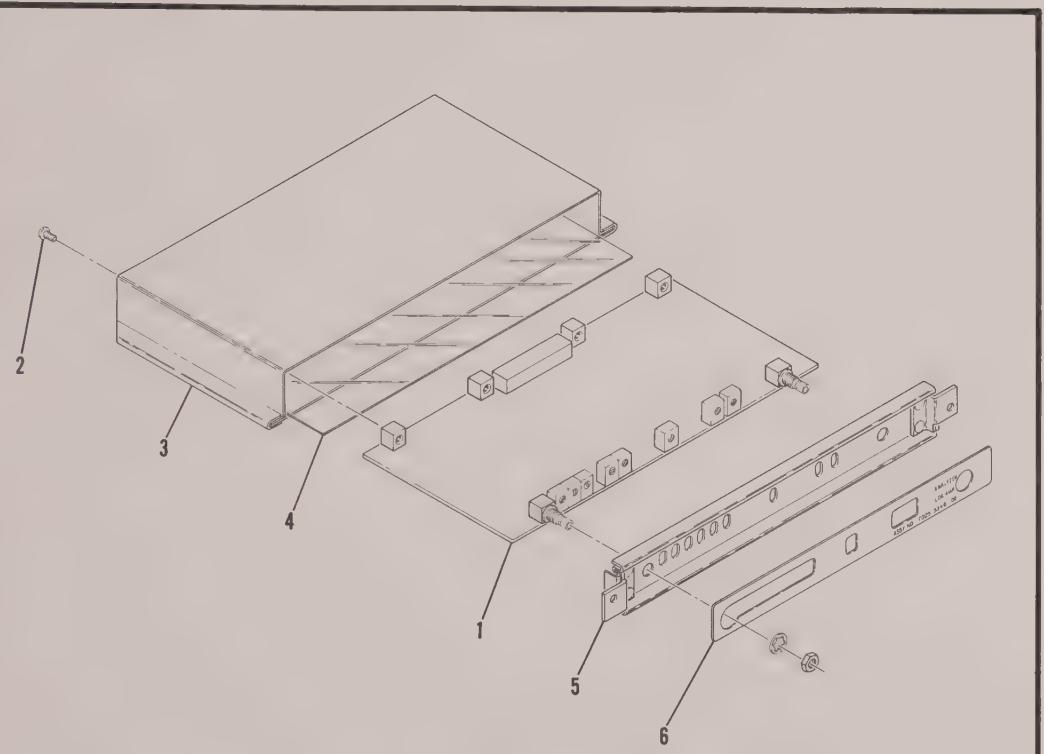
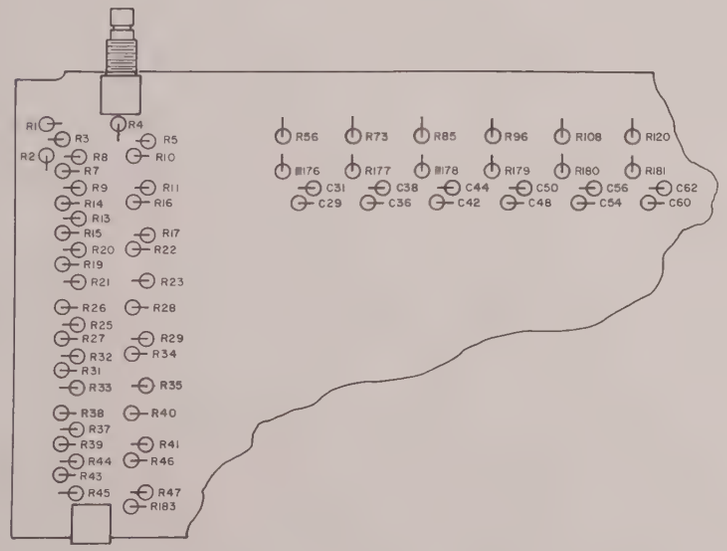


FIGURE 31 ANALYZER LOG AMP ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
31 -		7005-5348-100	ANALYZER LOG AMP ASSEMBLY SEE FIG 8 FOR NHA			REF
1		SEE FIG 32	ANALYZER LOG AMP PC BOARD ASSEMBLY INCL MTG HARDWARE			1
			ATTACHING PARTS			
2		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		4
			---*---			
3		1415-5380-800	ENCLOSURE ASSY, CAN			1
4		3107-5252-800	INSULATOR			1
5		1414-5385-100	COVER ASSY, ENCLOSURE			1
6		2400-5368-800	LABEL, IDENT			1



DETAIL **A**

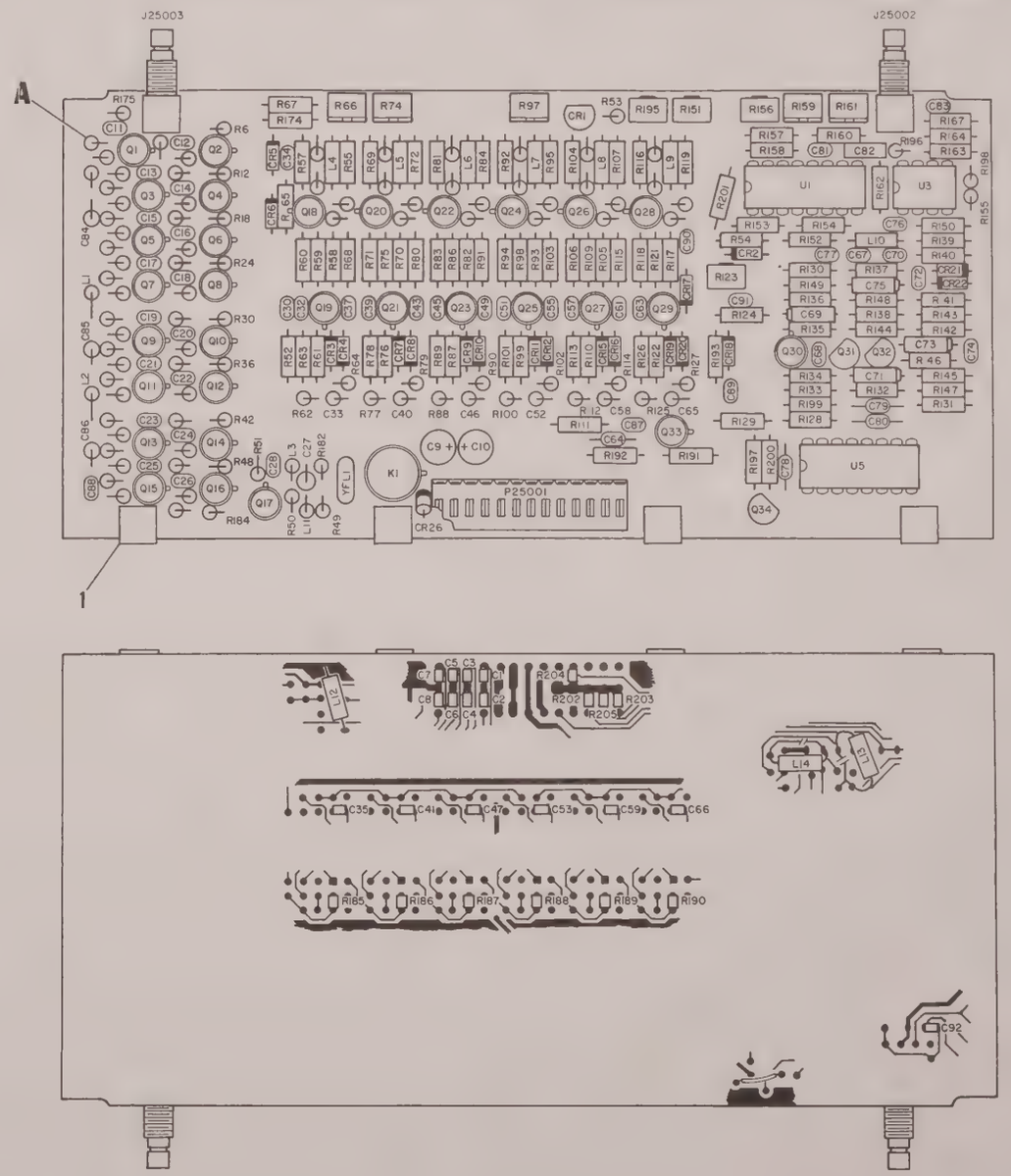


FIGURE 32 ANALYZER LOG AMP PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
32 -		7010-5338-100	ANALYZER LOG AMP PC BOARD ASSEMBLY SEE FIG 31 FOR NHA			REF
1		2100-0000-100	NUT, SWAGE 4-40 (2040B)	83330		4
	J25002	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J25003	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	P25001	2129-0186-226	CONNECTOR, HEADER (15-29-5026)	27264		1
	C26001	1523-0000-011	CAPACITOR .01 µF, 50 V (500R15W103MB)	29454		1
	C26002	1523-0000-011	CAPACITOR .01 µF, 50 V (500R15W103MB)	29454		1
	C26003	1523-0000-011	CAPACITOR .01 µF, 50 V (500R15W103MB)	29454		1
	C26004	1523-0000-011	CAPACITOR .01 µF, 50 V (500R15W103MB)	29454		1
	C26005	1523-0000-011	CAPACITOR .01 µF, 50 V (500R15W103MB)	29454		1
	C26006	1523-0000-011	CAPACITOR .01 µF, 50 V (500R15W103MB)	29454		1
	C26007	1523-0000-011	CAPACITOR .01 µF, 50 V (500R15W103MB)	29454		1
	C26008	1523-0000-011	CAPACITOR .01 µF, 50 V (500R15W103MB)	29454		1
	C26009	1580-1000-200	CAPACITOR 10 µF, 25 V (25MS7-10)	52318		1
	C26010	1580-1000-200	CAPACITOR 10 µF, 25 V (25MS7-10)	52318		1
	C26011	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C26012	1506-0332-017	CAPACITOR 3300 pF, 100 V (C320C332J2G5CA)	61637		1
	C26013	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C26014	1506-0332-017	CAPACITOR 3300 pF, 100 V (C320C332J2G5CA)	61637		1
	C26015	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C26016	1506-0332-017	CAPACITOR 3300 pF, 100 V (C320C332J2G5CA)	61637		1
	C26017	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C26018	1506-0332-017	CAPACITOR 3300 pF, 100 V (C320C332J2G5CA)	61637		1
	C26019	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C26020	1506-0332-017	CAPACITOR 3300 pF, 100 V (C320C332J2G5CA)	61637		1
	C26021	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C26022	1506-0332-017	CAPACITOR 3300 pF, 100 V (C320C332J2G5CA)	61637		1
	C26023	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C26024	1506-0332-017	CAPACITOR 3300 pF, 100 V (C320C332J2G5CA)	61637		1
	C26025	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C26026	1506-0332-017	CAPACITOR 3300 pF, 100 V (C320C332J2G5CA)	61637		1
	C26027	1507-0105-118	CAPACITOR 1 µF, 35 V (T322B105J035AS)	31433		1
	C26028	1506-0332-017	CAPACITOR 3300 pF, 100 V (C320C332J2G5CA)	61637		1
	C26029	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26030	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C26031	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26032	1625-2230-100	CAPACITOR .022 µF, 25 V (C340C223J2G5CA)	61637		1
	C26033	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26034	1625-2230-100	CAPACITOR .022 µF, 25 V (C340C223J2G5CA)	61637		1
	C26035	1523-0000-007	CAPACITOR 1 µF, 25 V (C1005C104K5GAC)	61637		1
	C26036	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26037	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C26038	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26039	1625-2230-100	CAPACITOR .022 µF, 25 V (C340C223J2G5CA)	61637		1
	C26040	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26041	1523-0000-007	CAPACITOR 1 µF, 25 V (C1005C104K5GAC)	61637		1
	C26042	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26043	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C26044	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26045	1625-2230-100	CAPACITOR .022 µF, 25 V (C340C223J2G5CA)	61637		1
	C26046	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26047	1523-0000-007	CAPACITOR 1 µF, 25 V (C1005C104K5GAC)	61637		1
	C26048	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26049	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C26050	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26051	1625-2230-100	CAPACITOR .022 µF, 25 V (C340C223J2G5CA)	61637		1
	C26052	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26053	1523-0000-007	CAPACITOR 1 µF, 25 V (C1005C104K5GAC)	61637		1
	C26054	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
32 -	C26055	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C26056	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26057	1625-2230-100	CAPACITOR .022 µF, 25 V (C340C223J2G5CA)	61637		1
	C26058	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26059	1523-0000-007	CAPACITOR 1 µF, 25 V (C1005C104K5GAC)	61637		1
	C26060	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26061	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C26062	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26063	1625-2230-100	CAPACITOR .022 µF, 25 V (C340C223J2G5CA)	61637		1
	C26064	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26065	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26066	1523-0000-007	CAPACITOR 1 µF, 25 V (C1005C104K5GAC)	61637		1
	C26067	1506-0471-017	CAPACITOR 470 pF, 200 V (C320C471J2G5CA)	61637		1
	C26068	1506-0330-017	CAPACITOR 33 pF, 200 V (C320C330J2G5CA)	61637		1
	C26069	1507-0105-118	CAPACITOR 1 µF, 35 V (T322B105J035AS)	31433		1
	C26070	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C26071	1507-0105-118	CAPACITOR 1 µF, 35 V (T322B105J035AS)	31433		1
	C26072	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C26073	1507-0105-118	CAPACITOR 1 µF, 35 V (T322B105J035AS)	31433		1
	C26074	1506-0272-017	CAPACITOR 2700 pF, 200 V (C320C272J2G5CA)	61637		1
	C26075	1507-0105-118	CAPACITOR 1 µF, 35 V (T322B105J035AS)	31433		1
	C26076	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C26077	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C26078	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26079	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26080	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26081	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C26082	1642-1040-400	CAPACITOR .1 µF, 63 V (MKT1817-410-06-5)	UNK014		1
	C26083	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C26084	1507-0105-118	CAPACITOR 1 µF, 35 V (T322B105J035AS)	31433		1
	C26085	1507-0105-118	CAPACITOR 1 µF, 35 V (T322B105J035AS)	31433		1
	C26086	1507-0105-118	CAPACITOR 1 µF, 35 V (T322B105J035AS)	31433		1
	C26087	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C26088	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C26089	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C26090	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C26091	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C26092	1523-0000-004	CAPACITOR 47 pF, 100 V (GRM40C0G470K100VPT)	72982		1
	CR26001	4818-0000-015	DIODE, ZENER 6.9 V (LM329CZ)	27014		1
	CR26002	4818-0000-003	DIODE, ZENER 5.1 V (1N5231B)	71468		1
	CR26003	4816-0000-003	DIODE, S-BAR (5082-2835)	54893		1
	CR26004	4816-0000-003	DIODE, S-BAR (5082-2835)	54893		1
	CR26005	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR26006	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR26007	4816-0000-003	DIODE, S-BAR (5082-2835)	54893		1
	CR26008	4816-0000-003	DIODE, S-BAR (5082-2835)	54893		1
	CR26009	4816-0000-003	DIODE, S-BAR (5082-2835)	54893		1
	CR26010	4816-0000-003	DIODE, S-BAR (5082-2835)	54893		1
	CR26011	4816-0000-003	DIODE, S-BAR (5082-2835)	54893		1
	CR26012	4816-0000-003	DIODE, S-BAR (5082-2835)	54893		1
	CR26015	4816-0000-003	DIODE, S-BAR (5082-2835)	54893		1
	CR26016	4816-0000-003	DIODE, S-BAR (5082-2835)	54893		1
	CR26017	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR26018	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR26019	4816-0000-003	DIODE, S-BAR (5082-2835)	54893		1
	CR26020	4816-0000-003	DIODE, S-BAR (5082-2835)	54893		1
	CR26021	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR26022	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR26026	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	K26001	4501-0000-011	RELAY 12 VDC, 1 A (CSW12)	02289		1
	L26001	1801-0101-001	INDUCTOR 100 µH (1025-68)	99800		1
	L26002	1801-0101-001	INDUCTOR 100 µH (1025-68)	99800		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
32 -	L26003	1801-0101-001	INDUCTOR 100 µH (1025-68)	99800		1
	L26004	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L26005	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L26006	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L26007	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L26008	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L26009	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L26010	1801-0101-001	INDUCTOR 100 µH (1025-68)	99800		1
	L26011	1801-0471-001	INDUCTOR 470 µH (1025-84)	99800		1
	L26012	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L26013	1801-0010-001	INDUCTOR 10 µH (1025-44)	99800		1
	L26014	1801-0109-001	INDUCTOR 1 µH (1025-20)	99800		1
	Q26001	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26002	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26003	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26004	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26005	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26006	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26007	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26008	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26009	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26010	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26011	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26012	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26013	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26014	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26015	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26016	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26017	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26018	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26019	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26020	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26021	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26022	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26023	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26024	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26025	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26026	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26027	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26028	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26029	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26030	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26031	4807-0000-007	TRANSISTOR (MPSA70)	04713		1
	Q26032	4807-0000-007	TRANSISTOR (MPSA70)	04713		1
	Q26033	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q26034	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	R26001	4702-0563-003	RESISTOR 5%, 1/4 W, 56 K (RLR07C563JR)	81349		1
	R26002	4706-3830-001	RESISTOR 1%, 1/4 W, 383 Ω (RLR073830FR)	81349		1
	R26003	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R26004	4706-2000-001	RESISTOR 1%, 1/4 W, 200 Ω (RLR07C2000FR)	81349		1
	R26005	4706-1241-001	RESISTOR 1%, 1/4 W, 1.24 K (RLR071241FR)	81349		1
	R26006	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R26007	4702-0563-003	RESISTOR 5%, 1/4 W, 56 K (RLR07C563JR)	81349		1
	R26008	4706-3830-001	RESISTOR 1%, 1/4 W, 383 Ω (RLR073830FR)	81349		1
	R26009	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R26010	4706-3480-001	RESISTOR 1%, 1/4 W, 348 Ω (RLR07C3480FR)	81349		1
	R26011	4706-1101-001	RESISTOR 1%, 1/4 W, 1.10 K (RLR07C1101FR)	81349		1
	R26012	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R26013	4702-0563-003	RESISTOR 5%, 1/4 W, 56 K (RLR07C563JR)	81349		1
	R26014	4706-3830-001	RESISTOR 1%, 1/4 W, 383 Ω (RLR073830FR)	81349		1
	R26015	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R26016	4706-3480-001	RESISTOR 1%, 1/4 W, 348 Ω (RLR07C3480FR)	81349		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7	DESCRIPTION	FSCM	EFF	QTY
32 -	R26017	4706-4990-001	RESISTOR	1%, 1/4 W, 499 Ω (RLR07C4990FR)	81349		1
	R26018	4702-0102-003	RESISTOR	5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R26019	4702-0563-003	RESISTOR	5%, 1/4 W, 56 K (RLR07C563JR)	81349		1
	R26020	4706-3830-001	RESISTOR	1%, 1/4 W, 383 Ω (RLR073830FR)	81349		1
	R26021	4702-0680-003	RESISTOR	5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R26022	4706-3480-001	RESISTOR	1%, 1/4 W, 348 Ω (RLR07C3480FR)	81349		1
	R26023	4706-1910-001	RESISTOR	1%, 1/4 W, 191 Ω (5043ED 191RF)	56699		1
	R26024	4702-0102-003	RESISTOR	5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R26025	4702-0563-003	RESISTOR	5%, 1/4 W, 56 K (RLR07C563JR)	81349		1
	R26026	4706-3830-001	RESISTOR	1%, 1/4 W, 383 Ω (RLR073830FR)	81349		1
	R26027	4702-0680-003	RESISTOR	5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R26028	4706-3480-001	RESISTOR	1%, 1/4 W, 348 Ω (RLR07C3480FR)	81349		1
	R26029	4706-3929-001	RESISTOR	1%, 1/4 W, 39.2 Ω (RLR073929FR)	81349		1
	R26030	4702-0102-003	RESISTOR	5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R26031	4702-0563-003	RESISTOR	5%, 1/4 W, 56 K (RLR07C563JR)	81349		1
	R26032	4706-3830-001	RESISTOR	1%, 1/4 W, 383 Ω (RLR073830FR)	81349		1
	R26033	4702-0680-003	RESISTOR	5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R26034	4706-3480-001	RESISTOR	1%, 1/4 W, 348 Ω (RLR07C3480FR)	81349		1
	R26035	4706-3929-001	RESISTOR	1%, 1/4 W, 39.2 Ω (RLR073929FR)	81349		1
	R26036	4702-0102-003	RESISTOR	5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R26037	4702-0563-003	RESISTOR	5%, 1/4 W, 56 K (RLR07C563JR)	81349		1
	R26038	4706-3830-001	RESISTOR	1%, 1/4 W, 383 Ω (RLR073830FR)	81349		1
	R26039	4702-0680-003	RESISTOR	5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R26040	4706-3480-001	RESISTOR	1%, 1/4 W, 348 Ω (RLR07C3480FR)	81349		1
	R26041	4706-3929-001	RESISTOR	1%, 1/4 W, 39.2 Ω (RLR073929FR)	81349		1
	R26042	4702-0102-003	RESISTOR	5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R26043	4702-0563-003	RESISTOR	5%, 1/4 W, 56 K (RLR07C563JR)	81349		1
	R26044	4706-3830-001	RESISTOR	1%, 1/4 W, 383 Ω (RLR073830FR)	81349		1
	R26045	4702-0680-003	RESISTOR	5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R26046	4706-3480-001	RESISTOR	1%, 1/4 W, 348 Ω (RLR07C3480FR)	81349		1
	R26047	4706-3929-001	RESISTOR	1%, 1/4 W, 39.2 Ω (RLR073929FR)	81349		1
	R26048	4702-0102-003	RESISTOR	5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R26049	4702-0102-003	RESISTOR	5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R26050	4702-0101-003	RESISTOR	5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R26051	4702-0471-003	RESISTOR	5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R26052	4702-0101-003	RESISTOR	5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R26053	4702-0331-003	RESISTOR	5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R26054	4702-0821-003	RESISTOR	5%, 1/4 W, 820 Ω (RLR07C821JR)	81349		1
	R26055	4702-0220-003	RESISTOR	5%, 1/4 W, 22 Ω (RLR07C220JR)	81349		1
	R26056	4706-9310-001	RESISTOR	1%, 1/4 W, 931 Ω (RLR07C9310FR)	81349		1
	R26057	4706-1472-001	RESISTOR	1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26058	4706-1472-001	RESISTOR	1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26059	4702-0680-003	RESISTOR	5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R26060	4706-2552-001	RESISTOR	1%, 1/4 W, 25.5 K (RLR07C2552FR)	81349		1
	R26061	4706-8060-001	RESISTOR	1%, 1/4 W, 806 Ω (RLR07C8060FR)	81349		1
	R26062	4706-7151-001	RESISTOR	1%, 1/4 W, 7.15 K (RLR07C7151FR)	81349		1
	R26063	4706-1472-001	RESISTOR	1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26064	4706-1652-001	RESISTOR	1%, 1/4 W, 16.5 K (RLR07C1652FR)	81349		1
	R26065	4702-0181-003	RESISTOR	5%, 1/4 W, 180 Ω (RLR07C181JR)	81349		1
	R26066	4753-0502-002	RESISTOR, VAR	5 K (62-2-1-502)	02111		1
	R26067	4702-0181-003	RESISTOR	5%, 1/4 W, 180 Ω (RLR07C181JR)	81349		1
	R26068	4702-0101-003	RESISTOR	5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R26069	4706-1472-001	RESISTOR	1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26070	4706-1472-001	RESISTOR	1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26071	4706-2552-001	RESISTOR	1%, 1/4 W, 25.5 K (RLR07C2552FR)	81349		1
	R26072	4702-0220-003	RESISTOR	5%, 1/4 W, 22 Ω (RLR07C220JR)	81349		1
	R26073	4702-0681-003	RESISTOR	5%, 1/4 W, 680 Ω (RLR07C681JR)	81349		1
	R26074	4753-0501-002	RESISTOR, VAR	500 Ω (62-2-1-501)	02111		1
	R26075	4702-0680-003	RESISTOR	5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R26076	4706-8060-001	RESISTOR	1%, 1/4 W, 806 Ω (RLR07C8060FR)	81349		1
	R26077	4706-7151-001	RESISTOR	1%, 1/4 W, 7.15 K (RLR07C7151FR)	81349		1
	R26078	4706-1472-001	RESISTOR	1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
32 -	R26079	4706-1652-001	RESISTOR 1%, 1/4 W, 16.5 K (RLR07C1652FR)	81349		1
	R26080	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R26081	4706-1472-001	RESISTOR 1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26082	4706-1472-001	RESISTOR 1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26083	4706-2552-001	RESISTOR 1%, 1/4 W, 25.5 K (RLR07C2552FR)	81349		1
	R26084	4702-0220-003	RESISTOR 5%, 1/4 W, 22 Ω (RLR07C220JR)	81349		1
	R26085	4706-9310-001	RESISTOR 1%, 1/4 W, 931 Ω (RLR07C9310FR)	81349		1
	R26086	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R26087	4706-8060-001	RESISTOR 1%, 1/4 W, 806 Ω (RLR07C8060FR)	81349		1
	R26088	4706-7151-001	RESISTOR 1%, 1/4 W, 7.15 K (RLR07C7151FR)	81349		1
	R26089	4706-1472-001	RESISTOR 1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26090	4706-1652-001	RESISTOR 1%, 1/4 W, 16.5 K (RLR07C1652FR)	81349		1
	R26091	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R26092	4706-1472-001	RESISTOR 1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26093	4706-1472-001	RESISTOR 1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26094	4706-2552-001	RESISTOR 1%, 1/4 W, 25.5 K (RLR07C2552FR)	81349		1
	R26095	4702-0220-003	RESISTOR 5%, 1/4 W, 22 Ω (RLR07C220JR)	81349		1
	R26096	4702-0681-003	RESISTOR 5%, 1/4 W, 680 Ω (RLR07C681JR)	81349		1
	R26097	4753-0501-002	RESISTOR, VAR 500 Ω (62-2-1-501)	02111		1
	R26098	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R26099	4706-8060-001	RESISTOR 1%, 1/4 W, 806 Ω (RLR07C8060FR)	81349		1
	R26100	4706-7151-001	RESISTOR 1%, 1/4 W, 7.15 K (RLR07C7151FR)	81349		1
	R26101	4706-1472-001	RESISTOR 1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26102	4706-1652-001	RESISTOR 1%, 1/4 W, 16.5 K (RLR07C1652FR)	81349		1
	R26103	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R26104	4706-1472-001	RESISTOR 1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26105	4706-1472-001	RESISTOR 1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26106	4706-2552-001	RESISTOR 1%, 1/4 W, 25.5 K (RLR07C2552FR)	81349		1
	R26107	4702-0220-003	RESISTOR 5%, 1/4 W, 22 Ω (RLR07C220JR)	81349		1
	R26108	4706-9310-001	RESISTOR 1%, 1/4 W, 931 Ω (RLR07C9310FR)	81349		1
	R26109	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R26110	4706-8060-001	RESISTOR 1%, 1/4 W, 806 Ω (RLR07C8060FR)	81349		1
	R26111	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R26112	4706-7151-001	RESISTOR 1%, 1/4 W, 7.15 K (RLR07C7151FR)	81349		1
	R26113	4706-1472-001	RESISTOR 1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26114	4706-1652-001	RESISTOR 1%, 1/4 W, 16.5 K (RLR07C1652FR)	81349		1
	R26115	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R26116	4706-1472-001	RESISTOR 1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26117	4706-1472-001	RESISTOR 1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26118	4706-2552-001	RESISTOR 1%, 1/4 W, 25.5 K (RLR07C2552FR)	81349		1
	R26119	4702-0220-003	RESISTOR 5%, 1/4 W, 22 Ω (RLR07C220JR)	81349		1
	R26120	4706-9310-001	RESISTOR 1%, 1/4 W, 931 Ω (RLR07C9310FR)	81349		1
	R26121	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R26122	4706-8060-001	RESISTOR 1%, 1/4 W, 806 Ω (RLR07C8060FR)	81349		1
	R26123	4753-0500-002	RESISTOR, VAR 50 Ω (8014EMX500E1)	56699		1
	R26124	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R26125	4706-7151-001	RESISTOR 1%, 1/4 W, 7.15 K (RLR07C7151FR)	81349		1
	R26126	4706-1472-001	RESISTOR 1%, 1/4 W, 14.7 K (RLR07C1472FR)	81349		1
	R26127	4706-1652-001	RESISTOR 1%, 1/4 W, 16.5 K (RLR07C1652FR)	81349		1
	R26128	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R26129	4702-0220-003	RESISTOR 5%, 1/4 W, 22 Ω (RLR07C220JR)	81349		1
	R26130	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R26131	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R26132	4706-7500-001	RESISTOR 1%, 1/4 W, 750 Ω (RLR07C7500FR)	81349		1
	R26133	4702-0272-003	RESISTOR 5%, 1/4 W, 2.7 K (RLR07C272JR)	81349		1
	R26134	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R26135	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R26136	4702-0682-003	RESISTOR 5%, 1/4 W, 6.8 K (RLR07C682JR)	81349		1
	R26137	4702-0510-002	RESISTOR 5%, 1/4 W, 51 Ω (RLR07C510JR)	81349		1
	R26138	4702-0562-003	RESISTOR 5%, 1/4 W, 5.6 K (RLR07C562JR)	81349		1
	R26139	4702-0201-002	RESISTOR 5%, 1/4 W, 200 Ω (RLR07C201JR)	81349		1
	R26140	4702-0201-002	RESISTOR 5%, 1/4 W, 200 Ω (RLR07C201JR)	81349		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
32 -	R26141	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R26142	4702-0220-003	RESISTOR 5%, 1/4 W, 22 Ω (RLR07C220JR)	81349		1
	R26143	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R26144	4702-0330-003	RESISTOR 5%, 1/4 W, 33 Ω (RLR07C330JR)	81349		1
	R26145	4702-0272-003	RESISTOR 5%, 1/4 W, 2.7 K (RLR07C272JR)	81349		1
	R26146	4702-0330-003	RESISTOR 5%, 1/4 W, 33 Ω (RLR07C330JR)	81349		1
	R26147	4702-0222-003	RESISTOR 5%, 1/4 W, 2.2 K (RLR07C222JR)	81349		1
	R26148	4702-0561-003	RESISTOR 5%, 1/4 W, 560 Ω (RLR07C561JR)	81349		1
	R26149	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R26150	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R26151	4756-2510-400	RESISTOR, VAR 100 K (62-2-1-104)	02111		1
	R26152	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R26153	4702-0124-003	RESISTOR 5%, 1/4 W, 120 K (RLR07C124JR)	81349		1
	R26154	4706-1002-001	RESISTOR 1%, 1/4 W, 10 K (RLR07C1002FR)	81349		1
	R26155	4706-1002-001	RESISTOR 1%, 1/4 W, 10 K (RLR07C1002FR)	81349		1
	R26156	4753-0203-002	RESISTOR, VAR 20 K (62-2-1-203)	02111		1
	R26157	4702-0154-003	RESISTOR 5%, 1/4 W, 150 K (RLR07C154JR)	81349		1
	R26158	4706-9092-001	RESISTOR 1%, 1/4 W, 90.9 K (RLR07C9092FR)	81349		1
	R26159	4753-0503-002	RESISTOR, VAR 50 K (62-2-1-503)	02111		1
	R26160	4706-1622-001	RESISTOR 1%, 1/4 W, 16.2 K (RLR07C1622FR)	81349		1
	R26161	4753-0103-002	RESISTOR, VAR 10 K (62-2-1-103)	02111		1
	R26162	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R26163	4702-0821-003	RESISTOR 5%, 1/4 W, 820 Ω (RLR07C821JR)	81349		1
	R26164	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R26167	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R26174	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R26175	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R26176	4701-0151-003	RESISTOR 5%, 1/8 W, 150 Ω (RLR05C151JR)	81349		1
	R26177	4701-0151-003	RESISTOR 5%, 1/8 W, 150 Ω (RLR05C151JR)	81349		1
	R26178	4701-0151-003	RESISTOR 5%, 1/8 W, 150 Ω (RLR05C151JR)	81349		1
	R26179	4701-0151-003	RESISTOR 5%, 1/8 W, 150 Ω (RLR05C151JR)	81349		1
	R26180	4701-0151-003	RESISTOR 5%, 1/8 W, 150 Ω (RLR05C151JR)	81349		1
	R26181	4701-0151-003	RESISTOR 5%, 1/8 W, 150 Ω (RLR05C151JR)	81349		1
	R26182	4702-0392-003	RESISTOR 5%, 1/4 W, 3.9 K (RLR07C392JR)	81349		1
	R26183	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	R26184	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R26185	4719-0101-002	RESISTOR 5%, 1/10 W, 100 Ω (RX2911G101KBA)	72982		1
	R26186	4719-0101-002	RESISTOR 5%, 1/10 W, 100 Ω (RX2911G101KBA)	72982		1
	R26187	4719-0101-002	RESISTOR 5%, 1/10 W, 100 Ω (RX2911G101KBA)	72982		1
	R26188	4719-0101-002	RESISTOR 5%, 1/10 W, 100 Ω (RX2911G101KBA)	72982		1
	R26189	4719-0101-002	RESISTOR 5%, 1/10 W, 100 Ω (RX2911G101KBA)	72982		1
	R26190	4719-0101-002	RESISTOR 5%, 1/10 W, 100 Ω (RX2911G101KBA)	72982		1
	R26191	4702-0333-003	RESISTOR 5%, 1/4 W, 33 K (RLR07C333JR)	81349		1
	R26192	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R26193	4702-0330-003	RESISTOR 5%, 1/4 W, 33 Ω (RLR07C330JR)	81349		1
	R26195	4756-2510-400	RESISTOR, VAR 100 K (62-2-1-104)	02111		1
	R26196	4702-0155-003	RESISTOR 5%, 1/4 W, 1.5 M (RLR07C155JR)	81349		1
	R26197	4702-0394-003	RESISTOR 5%, 1/4 W, 390 K (RLR07C394JR)	81349		1
	R26198	4702-0105-003	RESISTOR 5%, 1/4 W, 1 M (RLR07C105JR)	81349		1
	R26199	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R26200	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R26201	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R26202	4719-0104-002	RESISTOR 5%, 1/8 W, 100 K (RM73B2B 104J)	59124		1
	R26203	4719-0104-002	RESISTOR 5%, 1/8 W, 100 K (RM73B2B 104J)	59124		1
	R26204	4719-0104-002	RESISTOR 5%, 1/8 W, 100 K (RM73B2B 104J)	59124		1
	R26205	4719-0104-002	RESISTOR 5%, 1/8 W, 100 K (RM73B2B 104J)	59124		1
	U26001	3133-0000-023	IC, TRI 2-CH MPLXR/DMPLXR (CD4053BE)	02735		1
	U26003	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1
	U26005	3133-0000-023	IC, TRI 2-CH MPLXR/DMPLXR (CD4053BE)	02735		1
	YFL26001	2302-0107-030	FILTER, CRYSTAL 10.7 MHz, 3 kHz BW			1
		SEE FIG 1	WIRE, BUS 26 GA			A/R
		SEE FIG 1	TUBING, TFL 26 GA, NAT			A/R

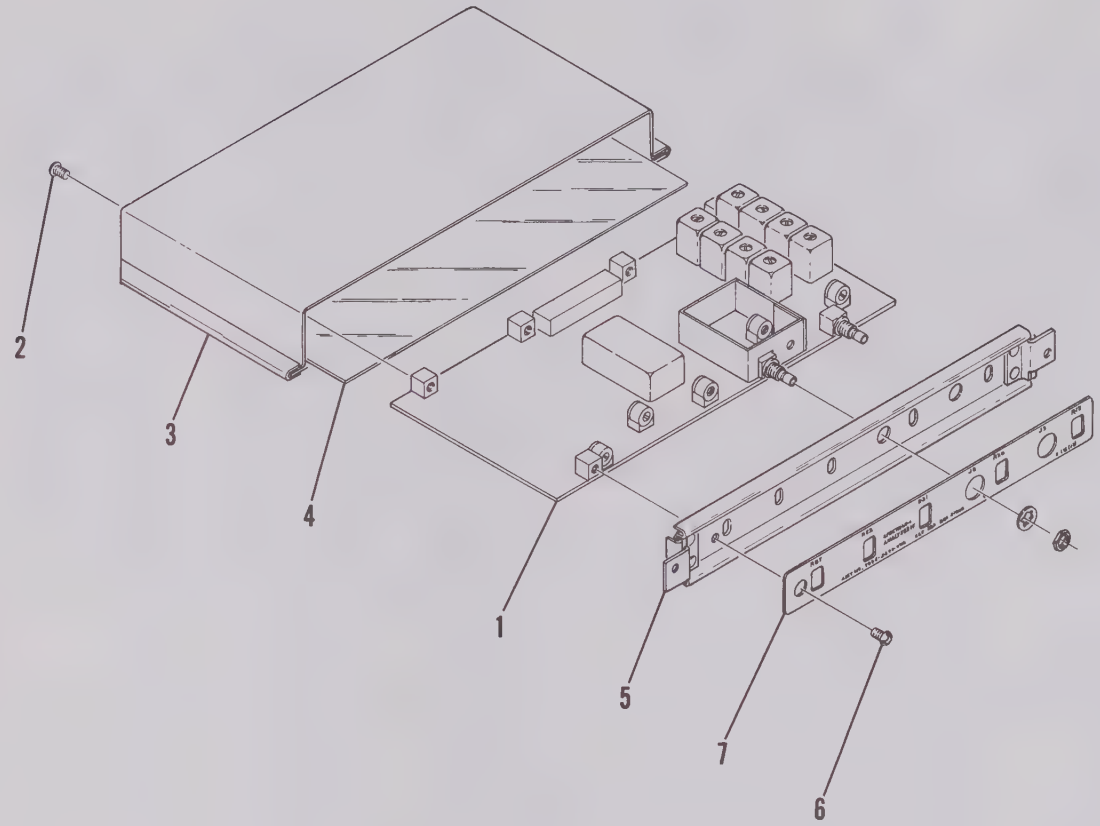

FIGURE 33 ANALYZER IF ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
33 -		7005-5349-400	ANALYZER IF ASSEMBLY SEE FIG 8 FOR NHA			REF
1		SEE FIG 34	ANALYZER IF PC BOARD ASSEMBLY INCL MTG HARDWARE			1
			ATTACHING PARTS			
2		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		4
			---*---			
3		1415-5380-800	ENCLOSURE ASSY, CAN			1
4		3107-5252-800	INSULATOR			1
5		1414-5380-200	COVER ASSY, ENCLOSURE			1
			ATTACHING PARTS			
6		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		1
			---*---			
7		2400-5369-000	LABEL, IDENT			1

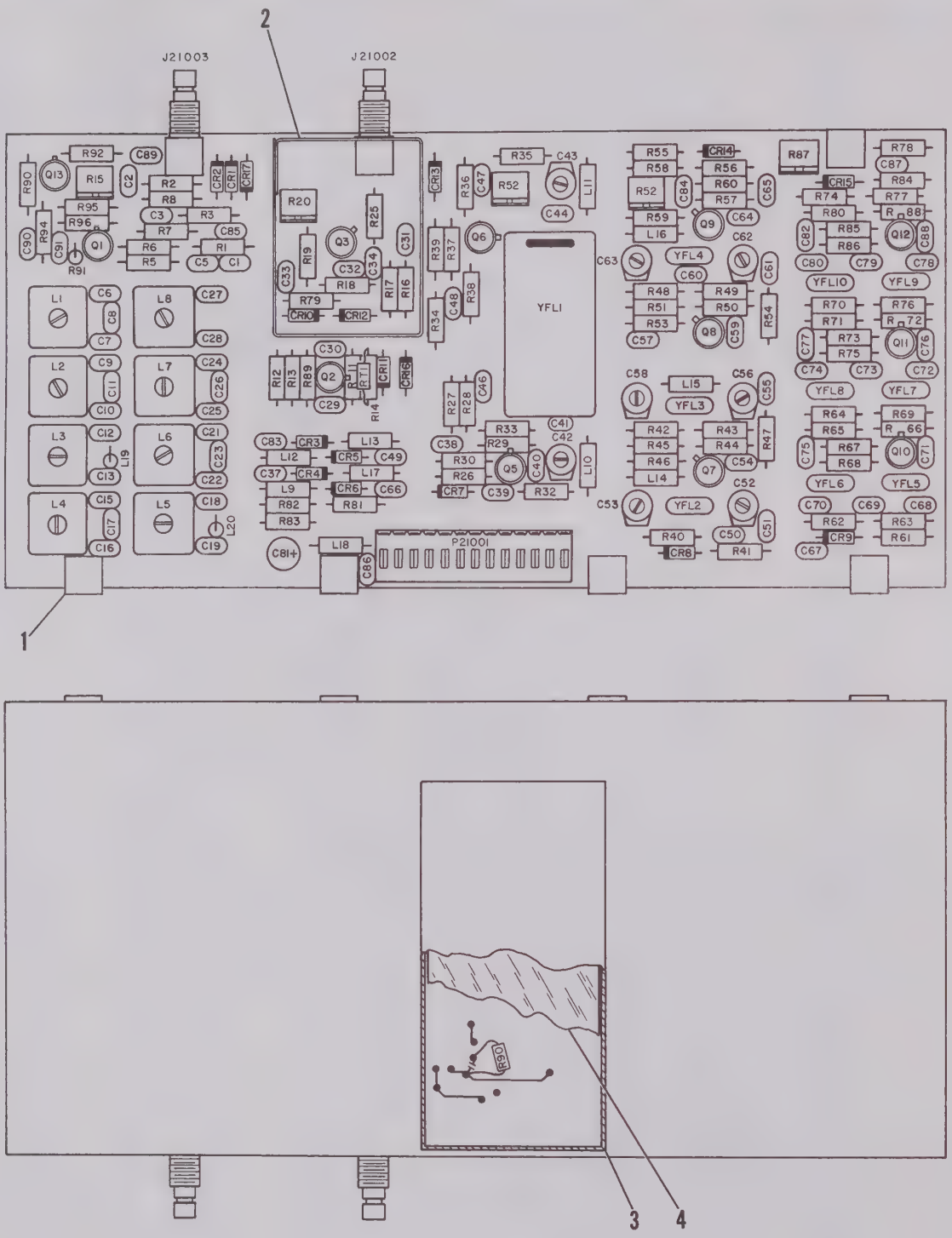

FIGURE 34 ANALYZER IF PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
34 -		7010-5339-400	ANALYZER IF PC BOARD ASSEMBLY SEE FIG 33 FOR NHA			REF
1		2100-0000-100	NUT, SWAGE 4-40 (2040B)	83330		4
2		2508-5367-800	SHIELD, PC BD			1
3		2508-5350-200	SHIELD, PC BD			1
4		3107-5359-500	INSULATOR			1
	J21002	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J21003	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	P21001	2129-0186-226	CONNECTOR, HEADER (15-29-5026)	27264		1
	C22001	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22002	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C22003	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C22005	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22006	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C22007	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C22008	1506-0150-017	CAPACITOR 15 pF, 200 V (C320C150J2G5CA)	61637		1
	C22009	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C22010	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C22011	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C22012	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C22013	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C22015	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C22016	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C22017	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C22018	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C22019	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C22021	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C22022	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C22023	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C22024	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C22025	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C22026	1506-0150-017	CAPACITOR 15 pF, 200 V (C320C150J2G5CA)	61637		1
	C22027	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C22028	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C22029	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22030	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C22031	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22032	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C22033	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C22034	1506-0152-017	CAPACITOR 1500 pF, 100 V (C320C152J2G5CA)	61637		1
	C22037	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22038	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22039	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C22040	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C22041	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C22042	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C22043	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C22044	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C22046	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22047	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C22048	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22049	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22050	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22051	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C22052	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C22053	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C22054	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C22055	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C22056	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C22057	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
34 -	C22058	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C22059	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C22060	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22061	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C22062	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C22063	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C22064	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C22065	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C22066	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22067	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22068	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C22069	1506-0471-017	CAPACITOR 470 pF, 200 V (C320C471J2G5CA)	61637		1
	C22070	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C22071	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C22072	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C22073	1506-0471-017	CAPACITOR 470 pF, 200 V (C320C471J2G5CA)	61637		1
	C22074	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C22075	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22076	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C22077	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22078	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C22079	1506-0471-017	CAPACITOR 470 pF, 200 V (C320C471J2G5CA)	61637		1
	C22080	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C22081	1580-1000-200	CAPACITOR 10 µF, 25 V (25MS7-10)	52318		1
	C22082	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22083	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22084	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22085	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22086	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C22087	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C22088	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C22089	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C22090	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C22091	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	CR22001	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR22002	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR22003	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR22004	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR22005	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR22006	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR22007	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR22008	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR22009	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR22010	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR22011	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR22012	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR22013	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR22014	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR22015	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR22016	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR22017	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	L22001	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L22002	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L22003	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L22004	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L22005	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L22006	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L22007	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L22008	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L22009	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L22010	1801-0150-003	INDUCTOR 15 µH, 3.8 Ω (1325-153)	99800		1
	L22011	1801-0150-003	INDUCTOR 15 µH, 3.8 Ω (1325-153)	99800		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
34 -	L22012	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L22013	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L22014	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L22015	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L22016	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L22017	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L22018	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L22019	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L22020	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	Q22001	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q22002	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q22003	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q22005	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q22006	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q22007	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q22008	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q22009	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q22010	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q22011	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q22012	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q22013	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	R22001	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R22002	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22003	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R22005	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R22006	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22007	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R22008	4702-0220-003	RESISTOR 5%, 1/4 W, 22 Ω (RLR07C220JR)	81349		1
	R22011	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R22012	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22013	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R22014	4702-0121-003*	RESISTOR 5%, 1/4 W, 120 Ω (RLR07C121JR)	81349		1
	R22015	4753-0501-002	RESISTOR, VAR 500 Ω (62-2-1-501)	02111		1
	R22016	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R22017	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R22018	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R22019	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R22020	4753-0202-002	RESISTOR, VAR 2 K (62-2-1-202)	02111		1
	R22025	4702-0270-003	RESISTOR 5%, 1/4 W, 27 Ω (RLR07C270JR)	81349		1
	R22026	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R22027	4702-0470-003	RESISTOR 5%, 1/4 W, 47 Ω (RLR07C470JR)	81349		1
	R22028	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R22029	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R22030	4702-0152-003	RESISTOR 5%, 1/4 W, 1.5 K (RLR07C152JR)	81349		1
	R22031	4753-0501-002	RESISTOR, VAR 500 Ω (62-2-1-501)	02111		1
	R22032	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R22033	4702-0682-003	RESISTOR 5%, 1/4 W, 6.8 K (RLR07C682JR)	81349		1
	R22034	4702-0470-003	RESISTOR 5%, 1/4 W, 47 Ω (RLR07C470JR)	81349		1
	R22035	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R22036	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R22037	4702-0153-003	RESISTOR 5%, 1/4 W, 15 K (RLR07C153JR)	81349		1
	R22038	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R22039	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R22040	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R22041	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22042	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R22043	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22044	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R22045	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R22046	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22047	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22048	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1

CONTINUED ON NEXT PAGE

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
34 -	R22049	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22050	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R22051	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R22052	4753-0102-002	RESISTOR, VAR 1 K (62-2-1-102)	02111		1
	R22053	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22054	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22055	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R22056	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22057	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R22058	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R22059	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22060	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R22061	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22062	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R22063	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R22064	4702-0470-003	RESISTOR 5%, 1/4 W, 47 Ω (RLR07C470JR)	81349		1
	R22065	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22066	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R22067	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R22068	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R22069	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R22070	4702-0470-003	RESISTOR 5%, 1/4 W, 47 Ω (RLR07C470JR)	81349		1
	R22071	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22072	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R22073	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R22074	4702-0470-003	RESISTOR 5%, 1/4 W, 47 Ω (RLR07C470JR)	81349		1
	R22075	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R22076	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R22077	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R22078	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22079	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R22080	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R22081	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R22082	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R22083	4702-0333-003	RESISTOR 5%, 1/4 W, 33 K (RLR07C333JR)	81349		1
	R22084	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R22085	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R22086	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R22087	4753-0102-002	RESISTOR, VAR 1 K (62-2-1-102)	02111		1
	R22088	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R22089	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R22090	4701-0470-003	RESISTOR 5%, 1/8 W, 47 Ω (RLR05C470JR)	81349		1
	R22091	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R22092	4702-0470-003	RESISTOR 5%, 1/4 W, 47 Ω (RLR07C470JR)	81349		1
	R22093	4702-0391-003	RESISTOR 5%, 1/4 W, 390 Ω (RLR07C391JR)	81349		1
	R22094	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R22095	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R22096	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	RT22001	4800-0000-003	THERMISTOR 2K (2H202)	50157		1
	YFL22001	2302-0005-000	FILTER, CRYSTAL 10.7 MHz, 30 kHz BW			1
	YFL22002	2302-0107-030	FILTER, CRYSTAL 10.7 MHz, 3 kHz BW			1
	YFL22003	2302-0107-030	FILTER, CRYSTAL 10.7 MHz, 3 kHz BW			1
	YFL22004	2302-0107-030	FILTER, CRYSTAL 10.7 MHz, 3 kHz BW			1
	YFL22005	2302-0107-003	FILTER, CRYSTAL 10.7 MHz, .3 kHz BW			1
	YFL22006	2302-0107-003	FILTER, CRYSTAL 10.7 MHz, .3 kHz BW			1
	YFL22007	2302-0107-003	FILTER, CRYSTAL 10.7 MHz, .3 kHz BW			1
	YFL22008	2302-0107-003	FILTER, CRYSTAL 10.7 MHz, .3 kHz BW			1
	YFL22009	2302-0107-003	FILTER, CRYSTAL 10.7 MHz, .3 kHz BW			1
	YFL22010	2302-0107-003	FILTER, CRYSTAL 10.7 MHz, .3 kHz BW			1

NOTE: * SELECTED AT TEST (SAT)
NOMINAL VALUE = 120 Ω
SELECT RANGE = 68 Ω THRU 120 Ω

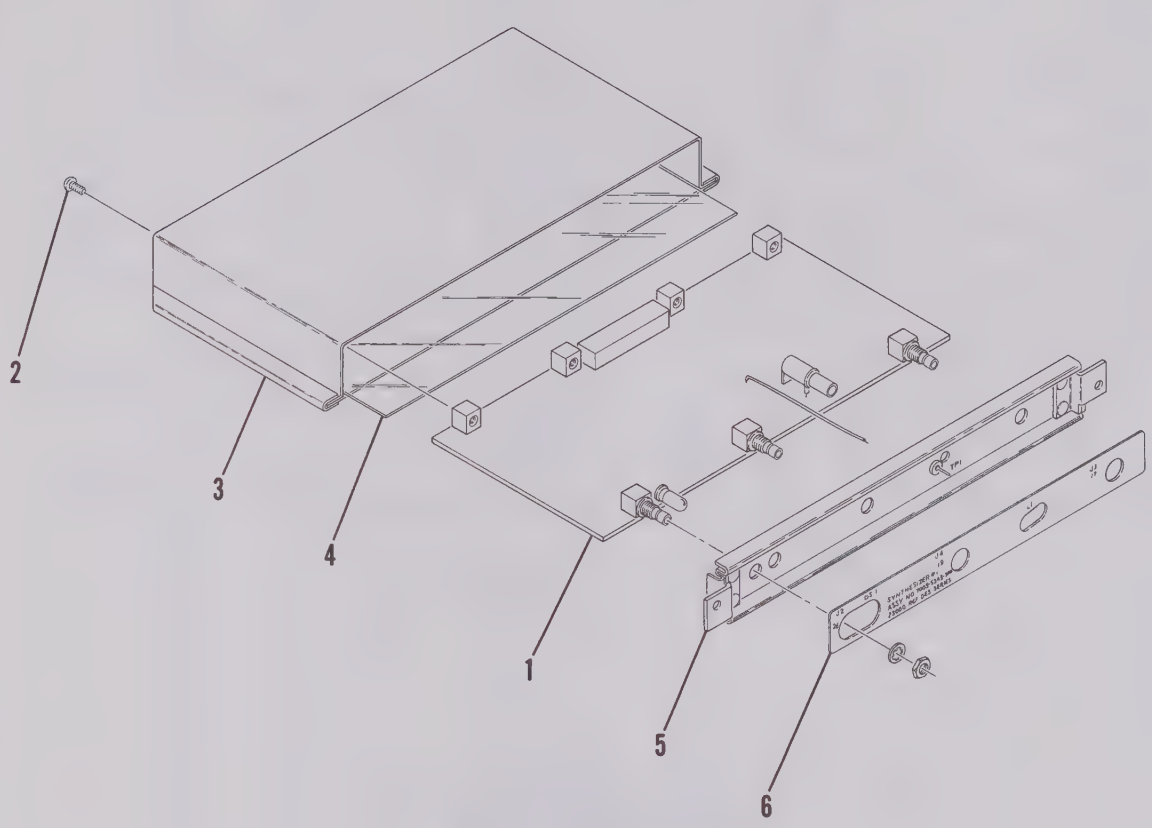

FIGURE 35 SYNTHESIZER NO. 1 ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
35 -		7005-5343-500	SYNTHESIZER NO. 1 ASSEMBLY SEE FIG 8 FOR NHA			REF
1		SEE FIG 36	SYNTHESIZER NO. 1 PC BOARD ASSEMBLY INCL MTG HARDWARE			1
			ATTACHING PARTS			
2		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		4
			---*---			
3		1415-5380-800	ENCLOSURE ASSY, CAN			1
4		3107-5252-800	INSULATOR			1
5		1414-5380-400	COVER ASSY, ENCLOSURE			1
6		2400-5351-900	LABEL, IDENT			1

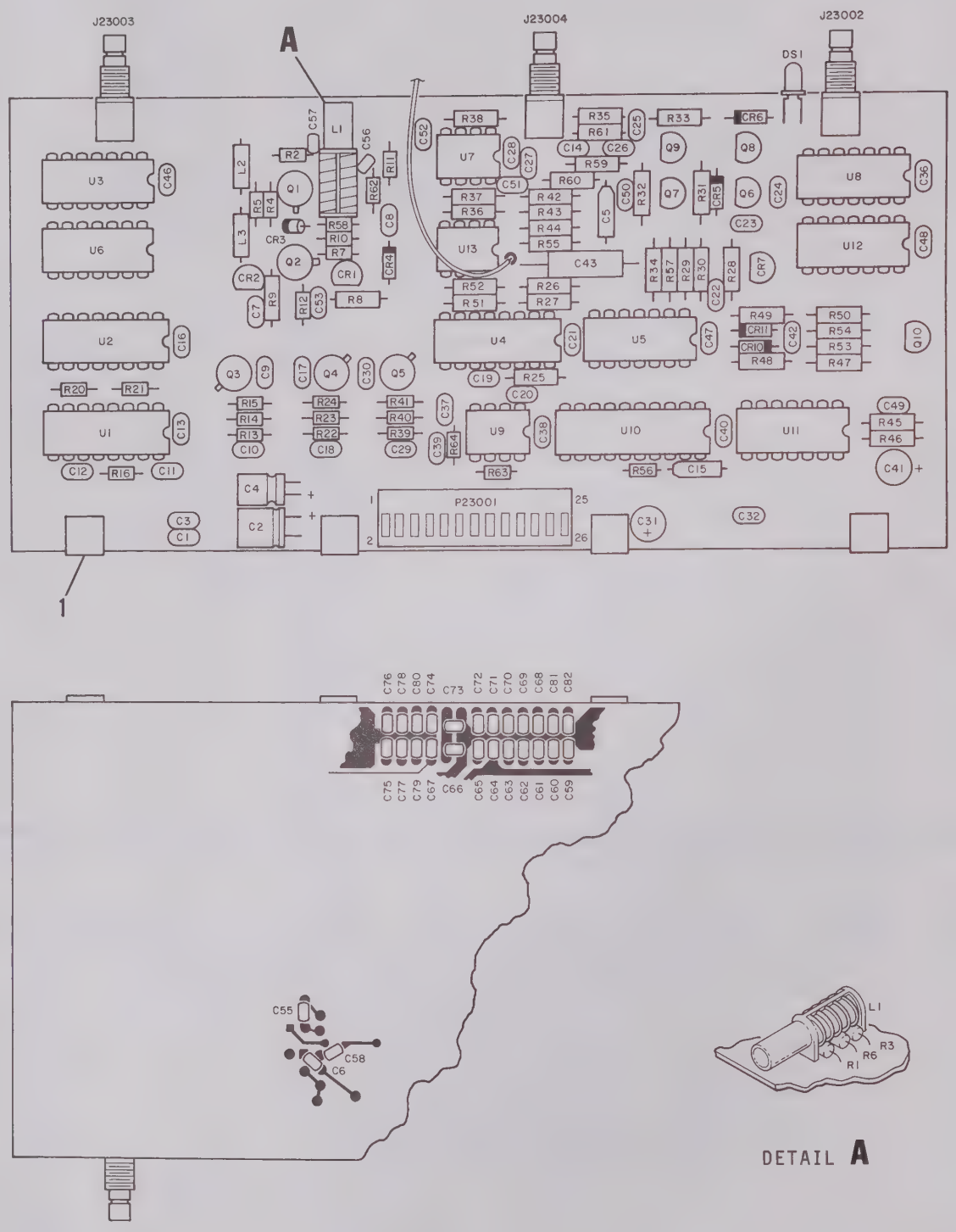

FIGURE 36 SYNTHESIZER NO. 1 PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
36 -		7010-5333-501	SYNTHESIZER NO. 1 PC BOARD ASSEMBLY SEE FIG 35 FOR NHA			REF
1		2100-0000-100	NUT, SWAGE 4-40 (2040B)	83330		4
	J23002	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J23003	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J23004	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	P23001	2129-0186-226	CONNECTOR, HEADER (15-29-5026)	27264		1
	C24001	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C24002	1580-4702-105	CAPACITOR 47 µF, 10 V (CLE4.7MF10V)	62462		1
	C24003	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C24004	1580-1000-200	CAPACITOR 10 µF, 25 V (25MS7-10)	52318		1
	C24005	1507-0104-018	CAPACITOR .1 µF, 35 V (T322A104K035AS)	31433		1
	C24006	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24007	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24008	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24009	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C24010	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24011	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C24012	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C24013	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24014	1506-0152-017	CAPACITOR 1500 pF, 100 V (C320C152J2G5CA)	61637		1
	C24015	1507-0104-018	CAPACITOR .1 µF, 35 V (T322A104K035AS)	31433		1
	C24016	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24017	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C24018	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24019	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C24020	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24021	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24022	1506-0562-017	CAPACITOR 5600 pF, 100 V (C320C562J2G5CA)	61637		1
	C24023	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C24024	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C24025	1506-0222-017	CAPACITOR 2200 pF, 100 V (C320C222J2G5CA)	61637		1
	C24026	1506-0152-017	CAPACITOR 1500 pF, 100 V (C320C152J2G5CA)	61637		1
	C24027	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C24028	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24029	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24030	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C24031	1580-1000-200	CAPACITOR 10 µF, 25 V (25MS7-10)	52318		1
	C24032	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C24036	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24037	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C24038	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24039	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C24040	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24041	1580-1092-450	CAPACITOR 1 µF, 50 V (50TW1L)	52318		1
	C24042	1506-0332-017	CAPACITOR 3300 pF, 100 V (C320C332J2G5CA)	61637		1
	C24043	1502-0473-010	CAPACITOR .047 µF, 50 V (PC12.047-50-5)	27735		1
	C24046	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24047	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24048	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24049	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24050	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C24051	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C24052	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C24053	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C24055	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24056	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24057	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24058	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
36 -	C24059	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24060	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24061	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24062	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24063	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24064	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24065	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24066	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24067	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24068	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24069	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24070	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24071	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24072	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24073	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24074	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24075	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24076	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24077	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24078	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24079	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24080	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24081	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C24082	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	CR24001	4818-0000-015	DIODE, ZENER 6.9 V (LM329CZ)	27014		1
	CR24002	4818-0000-015	DIODE, ZENER 6.9 V (LM329CZ)	27014		1
	CR24003	4930-0100-200	DIODE, VARACTOR (MV209)	04713		1
	CR24004	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR24005	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR24006	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR24007	4818-0000-015	DIODE, ZENER 6.9 V (LM329CZ)	27014		1
	CR24010	4831-0000-001	DIODE, SIGNAL (FDH333)	12467		1
	CR24011	4831-0000-001	DIODE, SIGNAL (FDH333)	12467		1
	DS24001	4816-0000-002	LED RED (5082-0280)	54893		1
	L24001	1804-0000-010	INDUCTOR, VAR .061 - .101 µH			1
	L24002	1806-0108-002	INDUCTOR 1 µH, 13 Ω (0819-00)	99800		1
	L24003	1801-0338-001	INDUCTOR .33 µH (1025-08)	99800		1
	Q24001	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q24002	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q24003	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q24004	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q24005	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q24006	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q24007	4805-0000-003	TRANSISTOR (MPS3646)	12467		1
	Q24008	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q24009	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q24010	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	R24001	4701-0472-003	RESISTOR 5%, 1/8 W, 4.7 K (RLR05C472JR)	81349		1
	R24002	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R24003	4701-0221-003	RESISTOR 5%, 1/8 W, 220 Ω (RLR05C221JR)	81349		1
	R24004	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R24005	4701-0181-003	RESISTOR 5%, 1/8 W, 180 Ω (RLR05C181JR)	81349		1
	R24006	4701-0472-003	RESISTOR 5%, 1/8 W, 4.7 K (RLR05C472JR)	81349		1
	R24007	4701-0221-003	RESISTOR 5%, 1/8 W, 220 Ω (RLR05C221JR)	81349		1
	R24008	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R24009	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R24010	4701-0561-003	RESISTOR 5%, 1/8 W, 560 Ω (RLR05C561JR)	81349		1
	R24011	4701-0222-003	RESISTOR 5%, 1/8 W, 2.2 K (RLR05C222JR)	81349		1
	R24012	4701-0470-003	RESISTOR 5%, 1/8 W, 47 Ω (RLR05C470JR)	81349		1
	R24013	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R24014	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R24015	4701-0683-003	RESISTOR 5%, 1/8 W, 68 K (RLR05C683JR)	81349		1

CONTINUED ON NEXT PAGE

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
36 -	R24016	4701-0680-003	RESISTOR 5%, 1/8 W, 68 Ω (RLR05C680JR)	81349		1
	R24020	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R24021	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R24022	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R24023	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R24024	4701-0683-003	RESISTOR 5%, 1/8 W, 68 K (RLR05C683JR)	81349		1
	R24025	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R24026	4702-0681-003	RESISTOR 5%, 1/4 W, 680 Ω (RLR07C681JR)	81349		1
	R24027	4702-0681-003	RESISTOR 5%, 1/4 W, 680 Ω (RLR07C681JR)	81349		1
	R24028	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R24029	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R24030	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R24031	4702-0151-003	RESISTOR 5%, 1/4 W, 150 Ω (RLR07C151JR)	81349		1
	R24032	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R24033	4706-1002-001	RESISTOR 1%, 1/4 W, 10 K (RLR07C1002FR)	81349		1
	R24034	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R24035	4706-3481-001	RESISTOR 1%, 1/4 W, 3.48 K (RLR07C3481FR)	81349		1
	R24036	4706-1002-001	RESISTOR 1%, 1/4 W, 10 K (RLR07C1002FR)	81349		1
	R24037	4706-1102-001	RESISTOR 1%, 1/4 W, 11.0 K (RLR071102FR)	81349		1
	R24038	4702-0473-003	RESISTOR 5%, 1/4 W, 47 K (RLR07C473JR)	81349		1
	R24039	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R24040	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R24041	4701-0683-003	RESISTOR 5%, 1/8 W, 68 K (RLR05C683JR)	81349		1
	R24042	4706-2742-001	RESISTOR 1%, 1/4 W, 27.4 K (RLR07C2742FR)	81349		1
	R24043	4706-5492-001	RESISTOR 1%, 1/4 W, 54.9 K (RLR075492FR)	81349		1
	R24044	4702-0105-003	RESISTOR 5%, 1/4 W, 1 M (RLR07C105JR)	81349		1
	R24045	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R24046	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R24047	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R24048	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R24049	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R24050	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R24051	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R24052	4702-0562-003	RESISTOR 5%, 1/4 W, 5.6 K (RLR07C562JR)	81349		1
	R24053	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R24054	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R24055	4701-0333-003	RESISTOR 5%, 1/8 W, 33 K (RLR05C333JR)	81349		1
	R24056	4701-0271-003	RESISTOR 5%, 1/8 W, 270 Ω (RLR05C271JR)	81349		1
	R24057	4706-3482-001	RESISTOR 1%, 1/4 W, 34.8 K (RLR07C3482FR)	81349		1
	R24058	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R24059	4706-3481-001	RESISTOR 1%, 1/4 W, 3.48 K (RLR07C3481FR)	81349		1
	R24060	4702-0271-003	RESISTOR 5%, 1/4 W, 270 Ω (RLR07C271JR)	81349		1
	R24061	4706-4421-001	RESISTOR 1%, 1/4 W, 4.42 K (RLR07C4421FR)	81349		1
	R24062	4701-0221-003	RESISTOR 5%, 1/8 W, 220 Ω (RLR05C221JR)	81349		1
	R24063	4701-0330-003	RESISTOR 5%, 1/8 W, 33 Ω (RLR05C330JR)	81349		1
	R24064	4701-0221-003	RESISTOR 5%, 1/8 W, 220 Ω (RLR05C221JR)	81349		1
	U24001	3134-0000-017	IC, PRESCALER (MC12013P)	04713		1
	U24002	3131-0000-013	IC, 4-BIT BIN CNTR (SN74LS163AN)	01295		1
	U24003	3131-0000-044	IC, QUAD 2-INP NAND (SN74LS00N)	01295		1
	U24004	3134-0000-017	IC, PRESCALER (MC12013P)	04713		1
	U24005	3131-0000-035	IC, 4-BIT BIN CNTR (SN74LS93N)	01295		1
	U24006	3131-0000-028	IC, DECADE CNTR (SN74LS90N)	01295		1
	U24007	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1
	U24008	3131-0000-034	IC, DUAL JK FLIP-FLOP (SN74LS73N)	01295		1
	U24009	3213-1201-500	IC, MOD PRESCALER (MC12015P)	04713		1
	U24010	3228-1451-560	IC, SER INP FREQ SYNTHESIZER (MC145156P)	04713		1
	U24011	3131-0000-044	IC, QUAD 2-INP NAND (SN74LS00N)	01295		1
	U24012	3133-0000-007	IC, QUAD BILATERAL SW (CD4066BE)	02735		1
	U24013	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1
		SEE FIG 1	WIRE, 7S 26 GA			A/R

NOTE: * SELECTED AT TEST (SAT)
MAY OR MAY NOT BE INSTALLED.

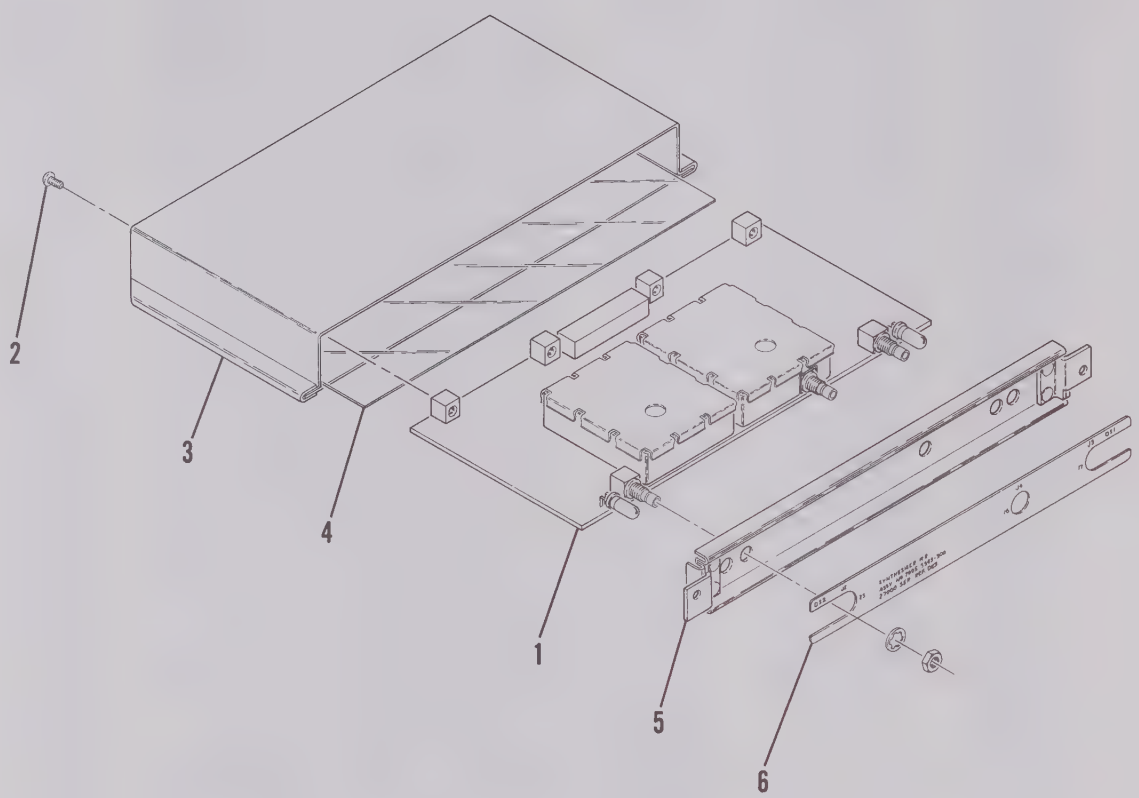

FIGURE 37 SYNTHESIZER NO. 2 ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
37 -		7005-5343-300	SYNTHESIZER NO. 2 ASSEMBLY SEE FIG 8 FOR NHA			REF
1		SEE FIG 38	SYNTHESIZER NO. 2 PC BOARD ASSEMBLY INCL MTG HARDWARE			1
			ATTACHING PARTS			
2		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		4
			---*---			
3		1415-5380-800	ENCLOSURE ASSY, CAN			1
4		3107-5252-800	INSULATOR			1
5		1414-5380-500	COVER ASSY, ENCLOSURE			1
6		2400-5352-000	LABEL, IDENT			1

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
38 -		7010-5333-301	SYNTHESIZER NO. 2 PC BOARD ASSEMBLY SEE FIG 37 FOR NHA			REF
1		1414-5355-600	COVER, SHIELD			1
2		2508-5356-700	SHEILD, PC BD			1
3		1414-5356-900	COVER, SHIELD			1
4		2508-5356-800	SHEILD, PC BD			1
5		2508-5357-100	SHIELD, PC BD			1
6		2508-5357-000	SHEILD, PC BD			1
7		3107-5357-200	INSULATOR			2
8		2100-0000-100	NUT, SWAGE 4-40 (2040B)	83330		4
	J27002	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J27003	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J27004	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	P27001	2129-0186-226	CONNECTOR, HEADER (15-29-5026)	27264		1
	C28002	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28003	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28004	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28005	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28006	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28007	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28009	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28010	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28011	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28012	1502-0334-012	CAPACITOR .33 µF, 50 V (MPC13.33-50-5)	27735		1
	C28013	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C28014	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C28015	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C28016	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28017	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28018	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28019	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28020	1506-0150-017	CAPACITOR 15 pF, 200 V (C320C150J2G5CA)	61637		1
	C28021	1506-0150-017	CAPACITOR 15 pF, 200 V (C320C150J2G5CA)	61637		1
	C28022	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28023	1605-3360-475	CAPACITOR 33 µF, 16 V (T350H336M016AS)	31433		1
	C28024	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28025	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C28026	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C28027	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28028	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28029	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28030	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C28031	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28032	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C28033	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28034	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28035	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28036	1506-0470-017	CAPACITOR 47 pF, 200 V (C320C470J2G5CA)	61637		1
	C28037	1506-0470-017	CAPACITOR 47 pF, 200 V (C320C470J2G5CA)	61637		1
	C28038	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28039	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433		1
	C28040	1506-0330-017	CAPACITOR 33 pF, 200 V (C320C330J2G5CA)	61637		1
	C28041	1506-0680-017	CAPACITOR 68 pF, 200 V (C320C680J2G5CA)	61637		1
	C28042	1506-0330-017	CAPACITOR 33 pF, 200 V (C320C330J2G5CA)	61637		1
	C28043	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28045	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28046	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28047	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28048	1508-0336-023	CAPACITOR 33 µF, 10 V (T350F336K010AS)	31433		1

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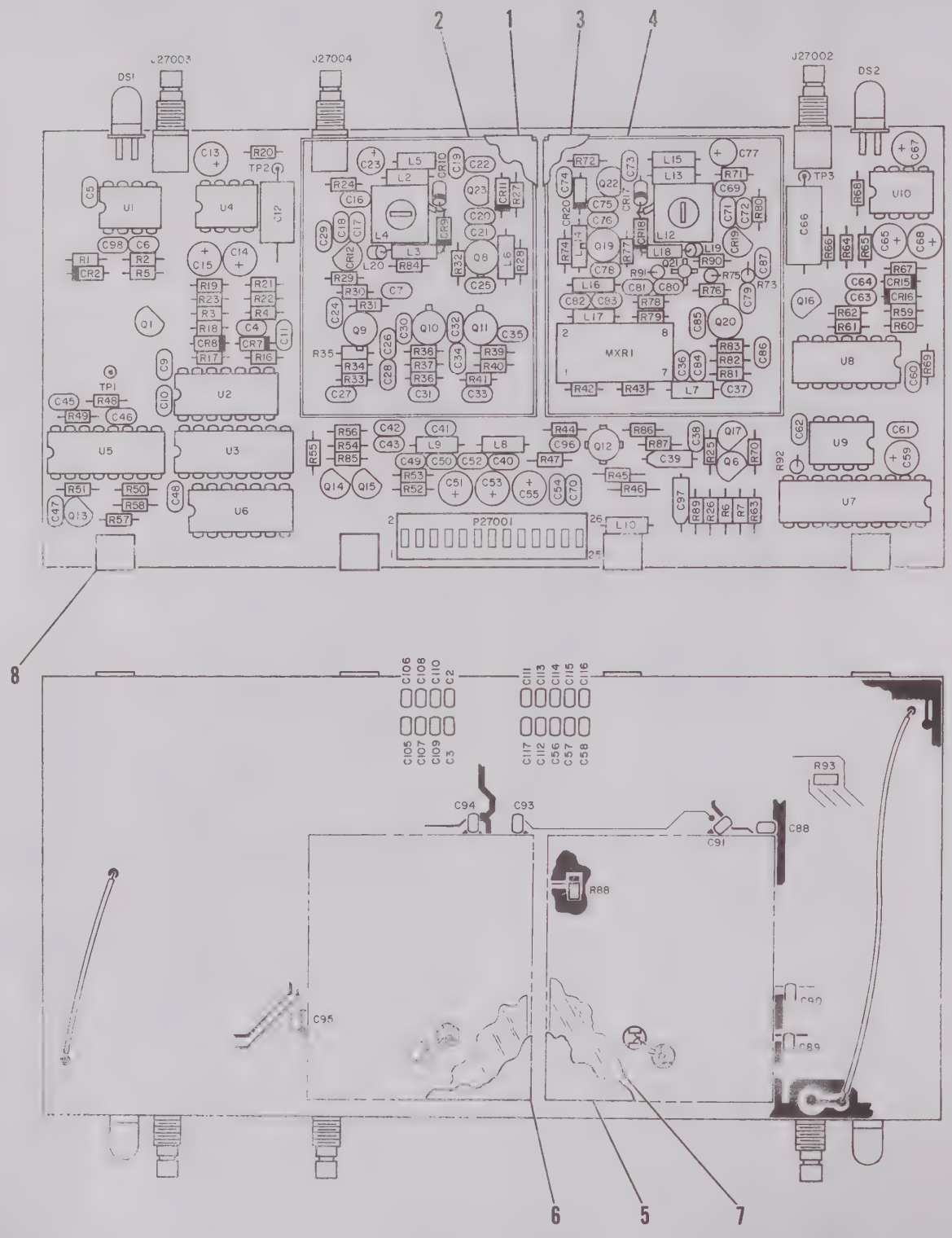

FIGURE 38 SYNTHESIZER NO. 2 PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7	DESCRIPTION	FSCM	EFF	QTY
38 -	C28049	1506-0103-017	CAPACITOR	.01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28050	1506-0103-017	CAPACITOR	.01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28051	1580-4700-220	CAPACITOR	47 µF, 25 V (25TWMS47M)	52318		1
	C28052	1506-0103-017	CAPACITOR	.01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28053	1580-4700-220	CAPACITOR	47 µF, 25 V (25TWMS47M)	52318		1
	C28054	1506-0103-017	CAPACITOR	.01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28055	1580-4700-220	CAPACITOR	47 µF, 25 V (25TWMS47M)	52318		1
	C28056	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28057	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28058	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28059	1508-0337-024	CAPACITOR	330 µF, 6 V (T354L337M006AS)	31433		1
	C28060	1506-0103-017	CAPACITOR	.01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28061	1506-0103-017	CAPACITOR	.01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28062	1506-0102-017	CAPACITOR	1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28063	1506-0103-017	CAPACITOR	.01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28064	1506-0103-017	CAPACITOR	.01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28065	1580-4700-220	CAPACITOR	47 µF, 25 V (25TWMS47M)	52318		1
	C28066	1502-0334-012	CAPACITOR	.33 µF, 50 V (MPC13.33-50-5)	27735		1
	C28067	1580-4700-220	CAPACITOR	47 µF, 25 V (25TWMS47M)	52318		1
	C28068	1580-4700-220	CAPACITOR	47 µF, 25 V (25TWMS47M)	52318		1
	C28069	1506-0102-017	CAPACITOR	1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28070	1506-0103-017	CAPACITOR	.01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28071	1506-0102-017	CAPACITOR	1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28072	1506-0102-017	CAPACITOR	1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28073	1506-0102-017	CAPACITOR	1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28074	1506-0103-017	CAPACITOR	.01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28075	1506-0100-017	CAPACITOR	10 pF, 200 V (C320C100J2G5CA)	61637		1
	C28076	1506-0100-017	CAPACITOR	10 pF, 200 V (C320C100J2G5CA)	61637		1
	C28077	1605-3360-475	CAPACITOR	33 µF, 16 V (T350H336M016AS)	31433		1
	C28078	1506-0100-017	CAPACITOR	10 pF, 200 V (C320C100J2G5CA)	61637		1
	C28079	1506-0103-017	CAPACITOR	.01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28080	1506-0220-017	CAPACITOR	22 pF, 200 V (C320C220J2G5CA)	61637		1
	C28081	1506-0100-017	CAPACITOR	10 pF, 200 V (C320C100J2G5CA)	61637		1
	C28082	1506-0220-017	CAPACITOR	22 pF, 200 V (C320C220J2G5CA)	61637		1
	C28083	1506-0100-017	CAPACITOR	10 pF, 200 V (C320C100J2G5CA)	61637		1
	C28084	1506-0103-017	CAPACITOR	.01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28085	1506-0100-017	CAPACITOR	10 pF, 200 V (C320C100J2G5CA)	61637		1
	C28086	1506-0102-017	CAPACITOR	1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28087	1506-0102-017	CAPACITOR	1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C28088	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28089	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28090	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28091	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28093	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28094	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28095	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28096	1506-0103-017	CAPACITOR	.01 µF, 100 V (C052K103K1X5CA)	61637		1
	C28097	1507-0685-020	CAPACITOR	6.8 µF, 15 V (T322B685M015AS)	31433		1
	C28098	1506-0181-017	CAPACITOR	180 pF, 200 V (C320C181J2G5CA)	61637		1
	C28099	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28100	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28101	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28102	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28103	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28104	1523-0000-002	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28105	1523-0000-002*	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28106	1523-0000-002*	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28107	1523-0000-002*	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28108	1523-0000-002*	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28109	1523-0000-002*	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28110	1523-0000-002*	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28111	1523-0000-002*	CAPACITOR	1800 pF, 50 V (GR40-1X7R182K50V)	72982		1

CONTINUED ON NEXT PAGE

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
38 -	C28112	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28113	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28114	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28115	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28116	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C28117	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	CR28002	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR28007	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR28008	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR28009	4828-0000-010	DIODE, PIN (MA47047)	96341		1
	CR28010	4930-0100-200	DIODE, VARACTOR (MV209)	04713		1
	CR28011	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR28012	4818-0000-015	DIODE, ZENER 6.9 V (LM329CZ)	27014		1
	CR28015	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR28016	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR28017	4930-0100-200	DIODE, VARACTOR (MV209)	04713		1
	CR28018	4828-0000-010	DIODE, PIN (MA47047)	96341		1
	CR28019	4818-0000-015	DIODE, ZENER 6.9 V (LM329CZ)	27014		1
	CR28020	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	DS28001	4816-0000-002	LED RED (5082-0280)	54893		1
	DS28002	4816-0000-002	LED RED (5082-0280)	54893		1
	L28002	1801-0689-001	INDUCTOR 6.8 µH (1025-40)	99800		1
	L28003	1801-0228-001	INDUCTOR .22 µH (1025-04)	99800		1
	L28004	1808-1022-801	INDUCTOR, VAR .22 µH			1
	L28005	1801-0689-001	INDUCTOR 6.8 µH (1025-40)	99800		1
	L28006	1801-0688-001	INDUCTOR .68 µH (1025-16)	99800		1
	L28007	1801-0228-001	INDUCTOR .22 µH (1025-04)	99800		1
	L28008	1801-0228-001	INDUCTOR .22 µH (1025-04)	99800		1
	L28009	1801-0228-001	INDUCTOR .22 µH (1025-04)	99800		1
	L28010	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L28012	1808-1022-801	INDUCTOR, VAR .22 µH			1
	L28013	1801-0689-001	INDUCTOR 6.8 µH (1025-40)	99800		1
	L28014	1801-0688-001	INDUCTOR .68 µH (1025-16)	99800		1
	L28015	1801-0689-001	INDUCTOR 6.8 µH (1025-40)	99800		1
	L28016	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800		1
	L28017	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800		1
	L28018	1801-0128-003@	INDUCTOR .12 µH (1025-96)	99800		1
	L28019	1801-0128-003@	INDUCTOR .12 µH (1025-96)	99800		1
	L28020	1801-0128-003@	INDUCTOR .12 µH (1025-96)	99800		1
	MXR28001	5250-0100-100	MIXER 1 - 500 MHz (SBL1-18)	15542		1
	Q28001	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q28006	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q28008	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q28009	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q28010	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q28011	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q28012	4803-0000-004	TRANSISTOR (SRF3114)	04713		1
	Q28013	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q28014	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q28015	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q28016	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q28017	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q28019	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q28020	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q28021	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q28022	4809-0000-016	TRANSISTOR (J310)	17856		1
	Q28023	4809-0000-016	TRANSISTOR (J310)	17856		1
	R28001	4701-0222-003	RESISTOR 5%, 1/8 W, 2.2 K (RLR05C222JR)	81349		1
	R28002	4701-0155-003	RESISTOR 5%, 1/8 W, 1.5 M (RLR05C155JR)	81349		1
	R28003	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R28004	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R28005	4701-0473-003	RESISTOR 5%, 1/8 W, 47 K (RLR05C473JR)	81349		1

CONTINUED ON NEXT PAGE

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7	DESCRIPTION	FSCM	EFF	QTY
38 -	R28006	4701-0472-003	RESISTOR	5%, 1/8 W, 4.7 K (RLR05C472JR)	81349		1
	R28007	4701-0472-003	RESISTOR	5%, 1/8 W, 4.7 K (RLR05C472JR)	81349		1
	R28016	4701-0221-003	RESISTOR	5%, 1/8 W, 220 Ω (RLR05C221JR)	81349		1
	R28017	4701-0221-003	RESISTOR	5%, 1/8 W, 220 Ω (RLR05C221JR)	81349		1
	R28018	4701-0102-003	RESISTOR	5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R28019	4701-0270-003	RESISTOR	5%, 1/8 W, 27 Ω (RLR05C270JR)	81349		1
	R28020	4701-0101-003	RESISTOR	5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R28021	4701-0101-003	RESISTOR	5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R28022	4701-0272-003	RESISTOR	5%, 1/8 W, 2.7 K (RLR05C272JR)	81349		1
	R28023	4701-0102-003	RESISTOR	5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R28024	4701-0681-003	RESISTOR	5%, 1/8 W, 680 Ω (RLR05C681JR)	81349		1
	R28025	4701-0821-003	RESISTOR	5%, 1/8 W, 820 Ω (RLR05C821JR)	81349		1
	R28026	4701-0104-003	RESISTOR	5%, 1/8 W, 100 K (RLR05C104JR)	81349		1
	R28027	4701-0103-003	RESISTOR	5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R28028	4701-0680-003	RESISTOR	5%, 1/8 W, 68 Ω (RLR05C680JR)	81349		1
	R28029	4701-0121-003	RESISTOR	5%, 1/8 W, 120 Ω (RLR05C121JR)	81349		1
	R28030	4701-0101-003	RESISTOR	5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R28031	4701-0681-003	RESISTOR	5%, 1/8 W, 680 Ω (RLR05C681JR)	81349		1
	R28032	4701-0683-003	RESISTOR	5%, 1/8 W, 68 K (RLR05C683JR)	81349		1
	R28033	4701-0101-003	RESISTOR	5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R28034	4701-0471-003	RESISTOR	5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R28035	4701-0333-003	RESISTOR	5%, 1/8 W, 33 K (RLR05C333JR)	81349		1
	R28036	4701-0101-003	RESISTOR	5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R28037	4701-0471-003	RESISTOR	5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R28038	4701-0473-003	RESISTOR	5%, 1/8 W, 47 K (RLR05C473JR)	81349		1
	R28039	4701-0473-003	RESISTOR	5%, 1/8 W, 47 K (RLR05C473JR)	81349		1
	R28040	4701-0471-003	RESISTOR	5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R28041	4701-0101-003	RESISTOR	5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R28042	4701-0820-003	RESISTOR	5%, 1/8 W, 82 Ω (RLR05C820JR)	81349		1
	R28043	4701-0560-003	RESISTOR	5%, 1/8 W, 56 Ω (RLR05C560JR)	81349		1
	R28044	4701-0153-003	RESISTOR	5%, 1/8 W, 15 K (RLR05C153JR)	81349		1
	R28045	4701-0471-003	RESISTOR	5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R28046	4701-0101-003	RESISTOR	5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R28047	4701-0560-003	RESISTOR	5%, 1/8 W, 56 Ω (RLR05C560JR)	81349		1
	R28048	4701-0471-003	RESISTOR	5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R28049	4701-0152-003	RESISTOR	5%, 1/8 W, 1.5 K (RLR05C152JR)	81349		1
	R28050	4701-0681-003	RESISTOR	5%, 1/8 W, 680 Ω (RLR05C681JR)	81349		1
	R28051	4701-0681-003	RESISTOR	5%, 1/8 W, 680 Ω (RLR05C681JR)	81349		1
	R28052	4701-0271-003	RESISTOR	5%, 1/8 W, 270 Ω (RLR05C271JR)	81349		1
	R28053	4701-0331-003	RESISTOR	5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R28054	4701-0271-003	RESISTOR	5%, 1/8 W, 270 Ω (RLR05C271JR)	81349		1
	R28055	4701-0331-003	RESISTOR	5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R28055	4701-0331-003	RESISTOR	5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R28056	4701-0680-003	RESISTOR	5%, 1/8 W, 68 Ω (RLR05C680JR)	81349		1
	R28057	4701-0102-003	RESISTOR	5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R28058	4701-0222-003	RESISTOR	5%, 1/8 W, 2.2 K (RLR05C222JR)	81349		1
	R28059	4701-0221-003	RESISTOR	5%, 1/8 W, 220 Ω (RLR05C221JR)	81349		1
	R28060	4701-0221-003	RESISTOR	5%, 1/8 W, 220 Ω (RLR05C221JR)	81349		1
	R28061	4701-0102-003	RESISTOR	5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R28062	4701-0102-003	RESISTOR	5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R28063	4701-0104-003	RESISTOR	5%, 1/8 W, 100 K (RLR05C104JR)	81349		1
	R28064	4701-0391-003#	RESISTOR	5%, 1/8 W, 390 Ω (RLR05C391JR)	81349		1
	R28065	4701-0102-003	RESISTOR	5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R28066	4701-0272-003	RESISTOR	5%, 1/8 W, 2.7 K (RLR05C272JR)	81349		1
	R28067	4701-0102-003	RESISTOR	5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R28068	4701-0101-003	RESISTOR	5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R28069	4701-0471-003	RESISTOR	5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R28070	4701-0821-003	RESISTOR	5%, 1/8 W, 820 Ω (RLR05C821JR)	81349		1
	R28071	4701-0681-003	RESISTOR	5%, 1/8 W, 680 Ω (RLR05C681JR)	81349		1
	R28072	4701-0103-003	RESISTOR	5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R28073	4701-0121-003	RESISTOR	5%, 1/8 W, 120 Ω (RLR05C121JR)	81349		1
	R28074	4701-0680-003	RESISTOR	5%, 1/8 W, 68 Ω (RLR05C680JR)	81349		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
38 -	R28075	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R28076	4701-0681-003	RESISTOR 5%, 1/8 W, 680 Ω (RLR05C681JR)	81349		1
	R28077	4701-0683-003	RESISTOR 5%, 1/8 W, 68 K (RLR05C683JR)	81349		1
	R28078	4701-0151-003	RESISTOR 5%, 1/8 W, 150 Ω (RLR05C151JR)	81349		1
	R28079	4701-0220-003	RESISTOR 5%, 1/8 W, 22 Ω (RLR05C220JR)	81349		1
	R28080	4701-0220-003	RESISTOR 5%, 1/8 W, 22 Ω (RLR05C220JR)	81349		1
	R28081	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R28082	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R28083	4701-0683-003	RESISTOR 5%, 1/8 W, 68 K (RLR05C683JR)	81349		1
	R28084	4701-0220-003	RESISTOR 5%, 1/8 W, 22 Ω (RLR05C220JR)	81349		1
	R28085	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R28086	4701-0182-003	RESISTOR 5%, 1/8 W, 1.8 K (RLR05C182JR)	81349		1
	R28087	4701-0470-003	RESISTOR 5%, 1/8 W, 47 Ω (RLR05C470JR)	81349		1
	R28088	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124		1
	R28089	4701-0272-003	RESISTOR 5%, 1/8 W, 2.7 K (RLR05C272JR)	81349		1
	R28090	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R28091	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R28092	4701-0221-003+	RESISTOR 5%, 1/8 W, 220 Ω (RLR05C221JR)	81349		1
	R28093	4701-0470-003+	RESISTOR 5%, 1/8 W, 47 Ω (RLR05C470JR)	81349		1
	U28001	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1
	U28002	3132-0000-001	IC, QUAD 2-INP NAND (SN74S00N)	01295		1
	U28003	3132-0000-002	IC, DUAL JK FLIP-FLOP (SN74S112N)	01295		1
	U28004	3221-0001-100	IC, J-FET OP AMP (LF356BN)	27014		1
	U28005	3134-0000-017	IC, PRESCALER (MC12013P)	04713		1
	U28006	3132-0000-001	IC, QUAD 2-INP NAND (SN74S00N)	01295		1
	U28007	3228-1451-560	IC, SER INP FREQ SYNTHESIZER (MC145156P)	04713		1
	U28008	3132-0000-001	IC, QUAD 2-INP NAND (SN74S00N)	01295		1
	U28009	3213-1201-500	IC, MOD PRESCALER (MC12015P)	04713		1
	U28010	3221-0001-100	IC, J-FET OP AMP (LF356BN)	27014		1
		SEE FIG 1	WIRE, 7S 22 GA			A/R
		SEE FIG 1	WIRE, BUS 22 GA			A/R
		SEE FIG 1	TUBING, TFL 22 GA, NAT			A/R

NOTE: * SELECTED AT TEST (SAT)
MAY OR MAY NOT BE INSTALLED.

@ SELECTED AT TEST (SAT)
NOMINAL VALUE = .12 µH
SELECT RANGE = .10 µH THRU .15 µH

SELECTED AT TEST (SAT)
NOMINAL VALUE = 390 Ω
SELECTED RANGE = 390 Ω THRU 2.2 K

+ SELECTED AT TEST (SAT)
MAY OR MAY NOT BE INSTALLED.

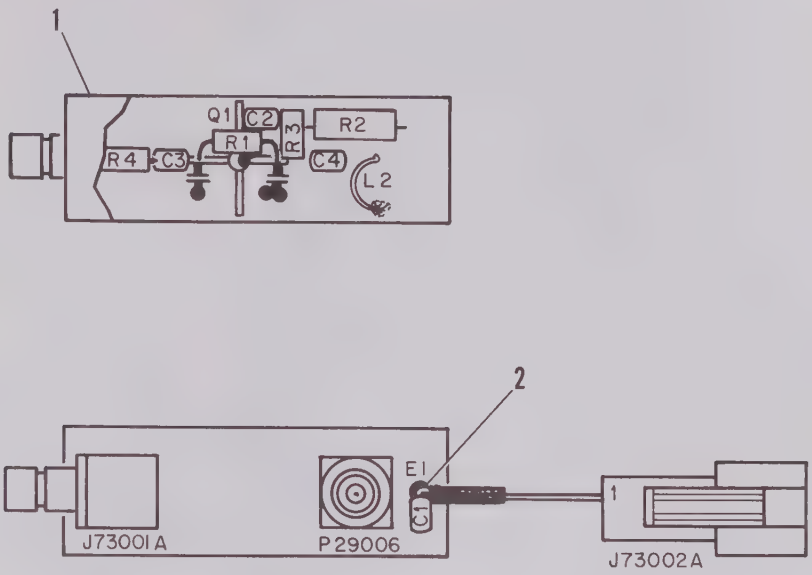

FIGURE 39 BUFFER AMP PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
39 -		7010-5335-500*	BUFFER AMP PC BOARD ASSEMBLY SEE FIG 42 FOR NHA			REF
1		2508-5351-400	SHIELD, PC BD			1
2		2114-0000-007	POST, GANG (85931-6)	00779		1
	J73001	2200-2094-300	CONNECTOR, SMB (2010-1511-000)	19505		1
	J73002	2115-9001-002	CONNECTOR, LOCKING (SMR02VB)	UNK020		1
		2114-9001-001	CONTACT, CONN 22 - 26 GA (SYM001T0.6)	UNK020		1
	P29006	2123-0000-056	CONNECTOR, SMB (2025-7511-000)	19505		1
	C73001	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C73002	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C73003	1620-5090-511	CAPACITOR 5 pF, 100 V (C0805C509D1GAC)	61637		1
	C73004	1620-5090-511	CAPACITOR 5 pF, 100 V (C0805C509D1GAC)	61637		1
	Q73001	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	R73001	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R73002	4702-0470-003	RESISTOR 5%, 1/4 W, 47 Ω (RLR07C470JR)	81349		1
	R73003	4701-0221-003	RESISTOR 5%, 1/8 W, 220 Ω (RLR05C221JR)	81349		1
	R73004	4701-0220-003	RESISTOR 5%, 1/8 W, 22 Ω (RLR05C220JR)	81349		1
		SEE FIG 1	WIRE, 7S 22 GA			A/R
		SEE FIG 1	WIRE, BUS 22 GA			A/R
		SEE FIG 1	TUBING, HS 1/8, CLR			A/R

NOTE: * FOR TRACKING PURPOSES, SUFFIX ALL REFERENCE DESIGNATORS WITH "A" (e.g. R73001 IS R73001A), EXCEPT P29006

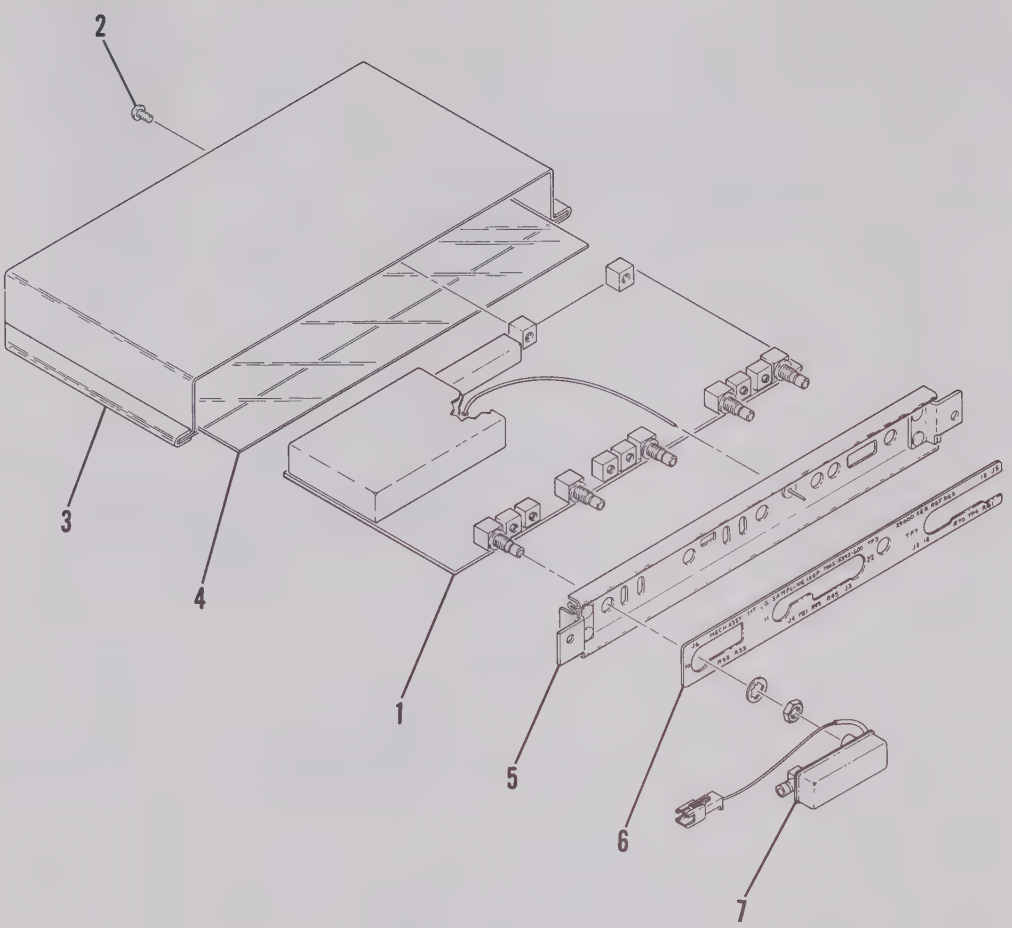

FIGURE 40 FIRST LO SAMPLING LOOP ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
40 -		7005-5343-600	FIRST LO SAMPLING LOOP ASSEMBLY SEE FIG 8 FOR NHA			REF
1		SEE FIG 40	FIRST LO SAMPLING LOOP PC BOARD ASSEMBLY INCL MTG HARDWARE ATTACHING PARTS			1
2		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		3
			---*---			
3		1415-5384-200	ENCLOSURE ASSY, CAN			1
4		3107-5252-800	INSULATOR			1
5		1414-5380-700	COVER ASSY, ENCLOSURE			1
6		2400-5352-200	LABEL, IDENT			1
7		SEE FIG 43	BUFFER AMP PC BOARD ASSEMBLY			1

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
41 -		7010-5334-601	FIRST LO SAMPLING LOOP PC BOARD ASSEMBLY SEE FIG 39 FOR NHA			REF
1		2508-5359-601	SHIELD, PC BD			1
2		2508-5359-701	SHIELD, PC BD			1
3		3107-5359-800	INSULATOR			1
4		2100-0000-100	NUT, SWAGE 4-40 (2040B)	83330		3
	J29002	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J29003	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J29004	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J29005	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J29006	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	JTB30001	2115-0000-056	CONNECTOR, WAFER (22-12-2021)	27264		1
5		2132-0004-000	BLOCK, JUMPER (SHC1002-001010BOT)	75037		1
	P29001	2129-0186-226	CONNECTOR, HEADER (15-29-5026)	27264		1
	C30001	1506-0050-017	CAPACITOR 5.5 pF, 100 V (RPE110C0G5R5C100V)	72982		1
	C30002	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C30003	1620-1090-511	CAPACITOR 1 pF, 50 V (C0805C109D1GAC)	61637		1
	C30004	1506-0050-017	CAPACITOR 5.5 pF, 100 V (RPE110C0G5R5C100V)	72982		1
	C30005	1620-2090-510	CAPACITOR 2 pF, 200 V (C0805C209D2GAC)	61637		1
	C30006	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40C0G220K50V)	72982		1
	C30007	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C30008	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40C0G220K50V)	72982		1
	C30009	1620-1090-511	CAPACITOR 1 pF, 50 V (C0805C109D1GAC)	61637		1
	C30010	1506-0050-017	CAPACITOR 5.5 pF, 100 V (RPE110C0G5R5C100V)	72982		1
	C30011	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C30012	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C30013	1506-0050-017	CAPACITOR 5.5 pF, 100 V (RPE110C0G5R5C100V)	72982		1
	C30014	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30015	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30026	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433		1
	C30027	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433		1
	C30028	1506-0562-017	CAPACITOR 5600 pF, 100 V (C320C562J2G5CA)	61637		1
	C30029	1506-0151-017	CAPACITOR 150 pF, 200 V (C320C151J2G5CA)	61637		1
	C30030	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433		1
	C30031	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C30032	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C30033	1506-0222-017	CAPACITOR 2200 pF, 100 V (C320C222J2G5CA)	61637		1
	C30034	1625-6820-200	CAPACITOR 6800 pF, 50 V (C330C682J2G5CA)	61637		1
	C30035	1506-0471-017	CAPACITOR 470 pF, 200 V (C320C471J2G5CA)	61637		1
	C30036	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C30039	1506-0392-017	CAPACITOR 3900 pF, 200 V (C320C392J2G5CA)	61637		1
	C30040	1506-0220-017	CAPACITOR 22 pF, 200 V (C320C220J2G5CA)	61637		1
	C30041	1507-0104-018	CAPACITOR .1 µF, 35 V (T322A104K035AS)	31433		1
	C30042	1506-0151-017	CAPACITOR 150 pF, 200 V (C320C151J2G5CA)	61637		1
	C30043	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C30045	1580-1092-450	CAPACITOR 1 µF, 50 V (50TW1L)	52318		1
	C30047	1508-0157-020	CAPACITOR 150 µF, 15 V (T354M157M016AS)	31433		1
	C30048	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C30049	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433		1
	C30050	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C30051	1508-0157-020	CAPACITOR 150 µF, 15 V (T354M157M016AS)	31433		1
	C30053	1620-5090-511	CAPACITOR 5 pF, 100 V (C0805C509D1GAC)	61637		1
	C30054	1620-5090-511	CAPACITOR 5 pF, 100 V (C0805C509D1GAC)	61637		1
	C30055	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40C0G220K50V)	72982		1
	C30056	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433		1
	C30057	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433		1
	C30059	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1

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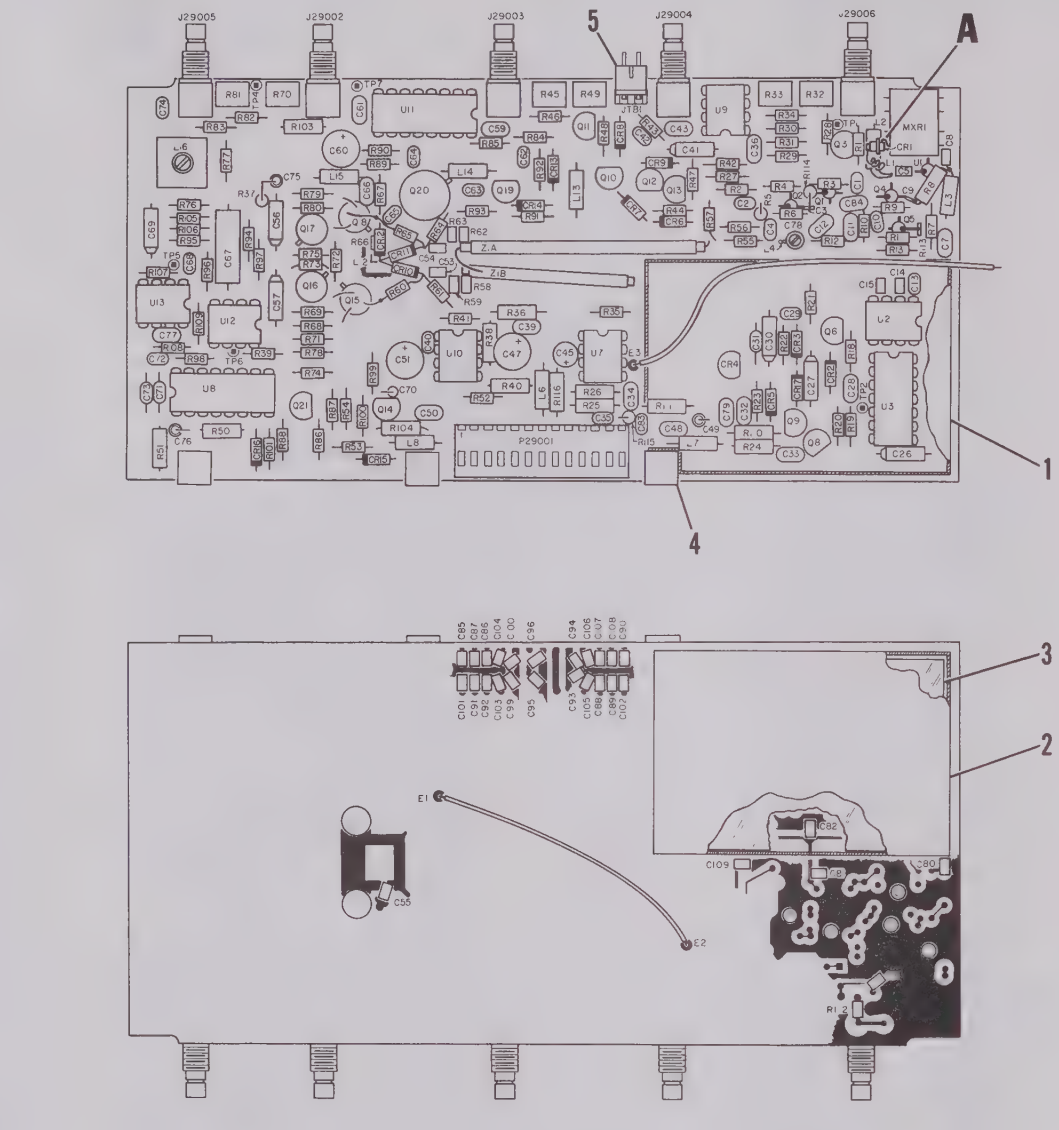

FIGURE 41 FIRST LO SAMPLING LOOP PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
41 -	C30060	1508-0337-024	CAPACITOR 330 µF, 6 V (T354L337M006AS)	31433		1
	C30061	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C30062	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C30063	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C30064	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C30065	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C30066	1506-0562-017	CAPACITOR 5600 pF, 100 V (C320C562J2G5CA)	61637		1
	C30067	1502-0333-006	CAPACITOR .033 µF, 50 V (333J01DU490)	27735		1
	C30068	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C30069	1507-0225-019	CAPACITOR 2.2 µF, 25 V (T322B225M025AS)	31433		1
	C30070	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C30071	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C30072	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C30073	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C30074	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C30075	1507-0104-018	CAPACITOR .1 µF, 35 V (T322A104K035AS)	31433		1
	C30076	1507-0104-018	CAPACITOR .1 µF, 35 V (T322A104K035AS)	31433		1
	C30077	1506-0821-017	CAPACITOR 820 pF, 200 V (C320C821J2G)	61637		1
	C30078	1521-0000-004	CAPACITOR, VAR .6 - 4.5 pF, 500 V (27273)	29454		1
	C30079	1506-0152-017	CAPACITOR 1500 pF, 100 V (C320C152J2G5CA)	61637		1
	C30080	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30081	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30082	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30083	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C30084	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C30085	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30086	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30087	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30088	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30089	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30090	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30091	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30092	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30093	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30094	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30095	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30096	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30099	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30100	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30101	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30102	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30103	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30104	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30105	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30106	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30107	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30108	1523-0000-002*	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C30109	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	CR30001	4829-0000-001	DIODE, VARACTOR (MA45102)	96341		1
	CR30002	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR30003	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR30004	4818-0000-015	DIODE, ZENER 6.9 V (LM329CZ)	27014		1
	CR30005	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR30006	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR30007	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR30008	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR30009	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR30010	4915-0500-100	DIODE, S-BAR (MA4E282)	96341		1
	CR30011	4915-0500-100	DIODE, S-BAR (MA4E282)	96341		1
	CR30012	4935-0100-200	DIODE, SNAP (AL-45275-15)	54987		1
	CR30013	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR30014	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
41 -	CR30015	4901-5237-200	DIODE, ZENER 8.2 V (1N5237B)	04713		1
	CR30016	4901-5237-200	DIODE, ZENER 8.2 V (1N5237B)	04713		1
	CR30017	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	L30002	1801-0229-001	INDUCTOR 2.2 µH (1025-28)	99800		1
	L30003	1801-0229-001	INDUCTOR 2.2 µH (1025-28)	99800		1
	L30006	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L30007	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L30008	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L30013	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L30014	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L30015	1801-0338-001	INDUCTOR .33 µH (1025-08)	99800		1
	L30016	1808-0011-013	INDUCTOR, VAR 0.0 - 1.1 µH (558-7107-13-000)	71279		1
	MXR30001	5250-0000-001	MIXER, FLTPK .6 - 2 GHz (MD614)	15912		1
	Q30001	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q30002	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q30003	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q30004	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q30005	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q30006	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q30008	4805-0000-003	TRANSISTOR (MPS3646)	12467		1
	Q30009	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q30010	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q30011	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q30012	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q30013	4807-0000-001	TRANSISTOR (2N3903-18)	27014		1
	Q30014	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q30015	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q30016	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q30017	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q30018	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q30019	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q30020	4803-0000-003	TRANSISTOR (2N5109)	04713		1
	Q30021	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	R30001	4701-0470-003	RESISTOR 5%, 1/8 W, 47 Ω (RLR05C470JR)	81349		1
	R30002	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R30003	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R30004	4701-0681-003	RESISTOR 5%, 1/8 W, 680 Ω (RLR05C681JR)	81349		1
	R30005	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R30006	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R30007	4701-0391-003	RESISTOR 5%, 1/8 W, 390 Ω (RLR05C391JR)	81349		1
	R30008	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R30009	4701-0333-003	RESISTOR 5%, 1/8 W, 33 K (RLR05C333JR)	81349		1
	R30010	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R30011	4701-0333-003	RESISTOR 5%, 1/8 W, 33 K (RLR05C333JR)	81349		1
	R30012	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R30013	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R30018	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R30019	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R30020	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R30021	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R30022	4701-0151-003	RESISTOR 5%, 1/8 W, 150 Ω (RLR05C151JR)	81349		1
	R30023	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R30024	4706-1002-001	RESISTOR 1%, 1/4 W, 10 K (RLR07C1002FR)	81349		1
	R30025	4706-3481-001	RESISTOR 1%, 1/4 W, 3.48 K (RLR07C3481FR)	81349		1
	R30026	4706-1002-001	RESISTOR 1%, 1/4 W, 10 K (RLR07C1002FR)	81349		1
	R30027	4701-0333-003	RESISTOR 5%, 1/8 W, 33 K (RLR05C333JR)	81349		1
	R30028	4701-0182-003	RESISTOR 5%, 1/8 W, 1.8 K (RLR05C182JR)	81349		1
	R30029	4701-0154-003	RESISTOR 5%, 1/8 W, 150 K (RLR05C154JR)	81349		1
	R30030	4701-0274-003	RESISTOR 5%, 1/8 W, 270 K (RLR05C274JR)	81349		1
	R30031	4701-0333-003	RESISTOR 5%, 1/8 W, 33 K (RLR05C333JR)	81349		1
	R30032	4753-0503-002	RESISTOR, VAR 50 K (62-2-1-503)	02111		1
	R30033	4753-0503-002	RESISTOR, VAR 50 K (62-2-1-503)	02111		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
41 -	R30034	4701-0563-003	RESISTOR 5%, 1/8 W, 56 K (RLR05C563JR)	81349		1
	R30035	4701-0222-003	RESISTOR 5%, 1/8 W, 2.2 K (RLR05C222JR)	81349		1
	R30036	4706-5622-001	RESISTOR 1%, 1/4 W, 56.2 K (RLR075622FR)	81349		1
	R30037	4706-5622-001	RESISTOR 1%, 1/4 W, 56.2 K (RLR075622FR)	81349		1
	R30038	4706-5622-001	RESISTOR 1%, 1/4 W, 56.2 K (RLR075622FR)	81349		1
	R30039	4701-0475-003	RESISTOR 5%, 1/8 W, 4.7 Ω (BB4755)	01121		1
	R30040	4706-2212-001	RESISTOR 1%, 1/4 W, 22.1 K (RLR07C2212FR)	81349		1
	R30041	4701-0683-003	RESISTOR 5%, 1/8 W, 68 K (RLR05C683JR)	81349		1
	R30042	4701-0332-003	RESISTOR 5%, 1/8 W, 3.3 K (RLR05C332JR)	81349		1
	R30043	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R30044	4701-0221-003	RESISTOR 5%, 1/8 W, 220 Ω (RLR05C221JR)	81349		1
	R30045	4753-0503-002	RESISTOR, VAR 50 K (62-2-1-503)	02111		1
	R30046	4701-0682-003	RESISTOR 5%, 1/8 W, 6.8 K (RLR05C682JR)	81349		1
	R30047	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R30048	4701-0152-003	RESISTOR 5%, 1/8 W, 1.5 K (RLR05C152JR)	81349		1
	R30049	4753-0202-002	RESISTOR, VAR 2 K (62-2-1-202)	02111		1
	R30050	4706-9091-001	RESISTOR 1%, 1/4 W, 9.09 K (RLR07C9091FR)	81349		1
	R30051	4706-1001-001	RESISTOR 1%, 1/4 W, 1 K (RLR07C1001FR)	81349		1
	R30052	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R30053	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R30054	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R30055	4701-0220-003	RESISTOR 5%, 1/8 W, 22 Ω (RLR05C220JR)	81349		1
	R30056	4701-0121-003@	RESISTOR 5%, 1/8 W, 120 Ω (RLR05C121JR)	81349		1
	R30057	4701-0121-003@	RESISTOR 5%, 1/8 W, 120 Ω (RLR05C121JR)	81349		1
	R30058	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124		1
	R30059	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124		1
	R30060	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R30061	4701-0682-003	RESISTOR 5%, 1/8 W, 6.8 K (RLR05C682JR)	81349		1
	R30062	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124		1
	R30063	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124		1
	R30064	4701-0682-003	RESISTOR 5%, 1/8 W, 6.8 K (RLR05C682JR)	81349		1
	R30065	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R30066	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124		1
	R30067	4701-0392-003	RESISTOR 5%, 1/8 W, 3.9 K (RLR05C392JR)	81349		1
	R30068	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R30069	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R30070	4753-0102-002	RESISTOR, VAR 1 K (62-2-1-102)	02111		1
	R30071	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R30072	4701-0121-003	RESISTOR 5%, 1/8 W, 120 Ω (RLR05C121JR)	81349		1
	R30073	4701-0222-003	RESISTOR 5%, 1/8 W, 2.2 K (RLR05C222JR)	81349		1
	R30074	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R30075	4701-0222-003	RESISTOR 5%, 1/8 W, 2.2 K (RLR05C222JR)	81349		1
	R30076	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R30077	4701-0182-003	RESISTOR 5%, 1/8 W, 1.8 K (RLR05C182JR)	81349		1
	R30078	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R30079	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R30080	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R30081	4753-0102-002	RESISTOR, VAR 1 K (62-2-1-102)	02111		1
	R30082	4701-0221-003	RESISTOR 5%, 1/8 W, 220 Ω (RLR05C221JR)	81349		1
	R30083	4701-0121-003	RESISTOR 5%, 1/8 W, 120 Ω (RLR05C121JR)	81349		1
	R30084	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R30085	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R30086	4701-0562-003	RESISTOR 5%, 1/8 W, 5.6 K (RLR05C562JR)	81349		1
	R30087	4701-0222-003	RESISTOR 5%, 1/8 W, 2.2 K (RLR05C222JR)	81349		1
	R30088	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R30089	4701-0560-003	RESISTOR 5%, 1/8 W, 56 Ω (RLR05C560JR)	81349		1
	R30090	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R30091	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R30092	4701-0150-003	RESISTOR 5%, 1/8 W, 15 Ω (RLR05C150JR)	81349		1
	R30093	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R30094	4701-0104-003	RESISTOR 5%, 1/8 W, 100 K (RLR05C104JR)	81349		1
	R30095	4701-0392-003	RESISTOR 5%, 1/8 W, 3.9 K (RLR05C392JR)	81349		1

CONTINUED ON NEXT PAGE

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
41 -	R30096	4701-0335-003	RESISTOR 5%, 1/8 W, 3.3 M (RLR05C335JR)	81349		1
	R30097	4701-0105-003	RESISTOR 5%, 1/8 W, 1 M (RLR05C105JR)	81349		1
	R30098	4701-0391-003	RESISTOR 5%, 1/8 W, 390 Ω (RLR05C391JR)	81349		1
	R30099	4701-0151-003	RESISTOR 5%, 1/8 W, 150 Ω (RLR05C151JR)	81349		1
	R30100	4701-0121-003	RESISTOR 5%, 1/8 W, 120 Ω (RLR05C121JR)	81349		1
	R30101	4701-0271-003	RESISTOR 5%, 1/8 W, 270 Ω (RLR05C271JR)	81349		1
	R30103	4702-0271-003	RESISTOR 5%, 1/4 W, 270 Ω (RLR07C271JR)	81349		1
	R30104	4702-0271-003	RESISTOR 5%, 1/4 W, 270 Ω (RLR07C271JR)	81349		1
	R30105	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R30106	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R30107	4701-0154-003	RESISTOR 5%, 1/8 W, 150 K (RLR05C154JR)	81349		1
	R30108	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R30109	4701-0104-003	RESISTOR 5%, 1/8 W, 100 K (RLR05C104JR)	81349		1
	R30110	4706-4421-001	RESISTOR 1%, 1/4 W, 4.42 K (RLR07C4421FR)	81349		1
	R30111	4706-3481-001	RESISTOR 1%, 1/4 W, 3.48 K (RLR07C3481FR)	81349		1
	R30112	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124		1
	R30113	4719-0510-002	RESISTOR 5%, 1/8 W, 51 Ω (RMY3B2B519J)	59124		1
	R30114	4701-0390-003	RESISTOR 5%, 1/8 W, 39 Ω (RLR05C390JR)	81349		1
	R30115	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R30116	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	TP30001	2114-0000-007	POST, GANG (85931-6)	00779		1
	TP30002	2114-0000-007	POST, GANG (85931-6)	00779		1
	TP30004	2114-0000-007	POST, GANG (85931-6)	00779		1
	TP30005	2114-0000-007	POST, GANG (85931-6)	00779		1
	TP30006	2114-0000-007	POST, GANG (85931-6)	00779		1
	TP30007	2114-0000-007	POST, GANG (85931-6)	00779		1
	U30001	5050-2501-200	IC, ML SI AMP (MSA-0135-21)	24539		1
	U30002	3213-0474-000	IC, PRESCALER (SP4740DP)	52648		1
	U30003	3131-0000-028	IC, DECADE CNTR (SN74LS90N)	01295		1
	U30007	3221-0003-000	IC, LOW NOISE OP AMP (NE5534A)	18324		1
	U30008	3133-0000-023	IC, TRI 2-CH MPLXR/DMPLXR (CD4053BE)	02735		1
	U30009	3221-0006-000	IC, DUAL LOW NOISE OP AMP (NE5532N PLASTIC)	18324		1
	U30010	3221-0006-000	IC, DUAL LOW NOISE OP AMP (NE5532N PLASTIC)	18324		1
	U30011	3132-0000-002	IC, DUAL JK FLIP-FLOP (SN74S112N)	01295		1
	U30012	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1
	U30013	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1
	Z30001A	6042-5350-600	CABLE ASSY, COAX SEMI-RIGID			1
	Z30001B	6042-5351-100	CABLE ASSY, COAX SEMI-RIGID			1
		SEE FIG 1	WIRE, 7S 26 GA			A/R
		SEE FIG 1	WIRE, SOLID 30 GA			A/R
		SEE FIG 1	WIRE, BUS 22 GA			A/R
		SEE FIG 1	WIRE, BUS 26 GA			A/R

NOTE: * SELECTED AT TEST (SAT)
MAY OR MAY NOT BE INSTALLED.

@ SELECTED AT TEST (SAT)
NOMINAL VALUE = 120 Ω
SELECT RANGE = 68 Ω THRU 150 Ω

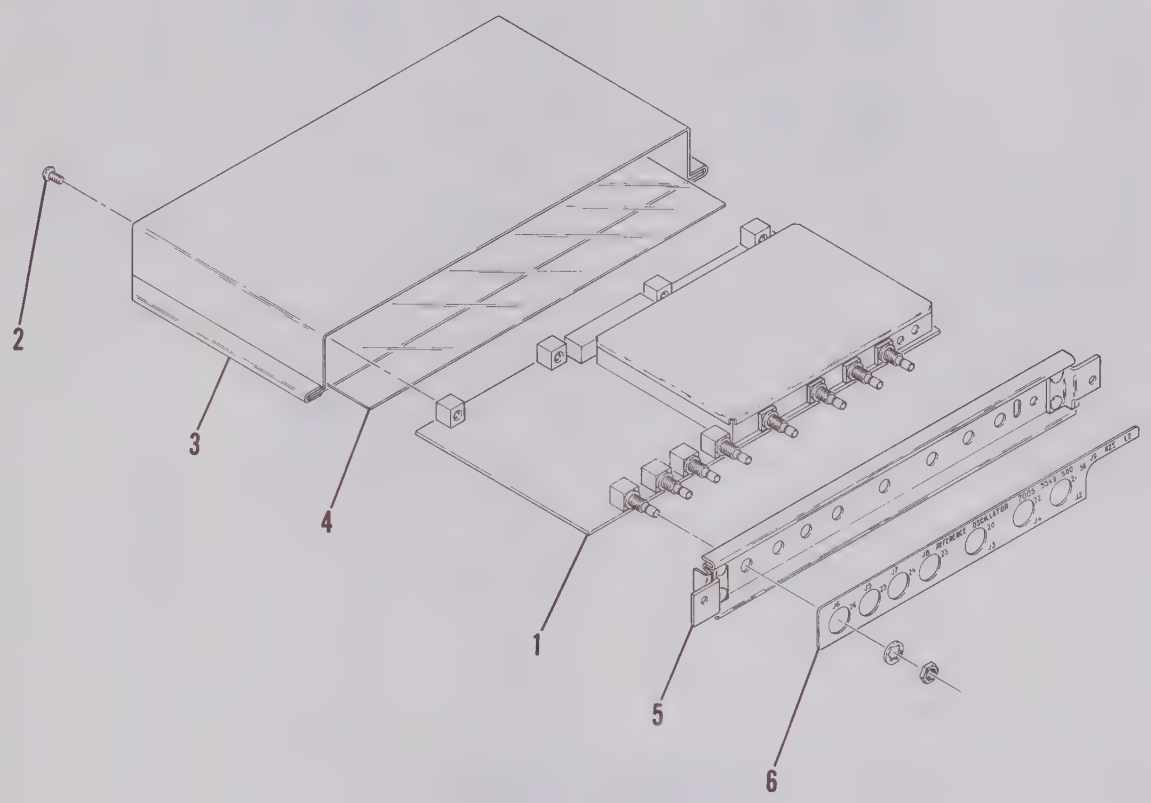

FIGURE 42 REFERENCE OSCILLATOR ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
42 -		7005-5349-500	REFERENCE OSCILLATOR ASSEMBLY SEE FIG 8 FOR NHA			REF
1		SEE FIG 42	REFERENCE OSCILLATOR PC BOARD ASSEMBLY INCL MTG HARDWARE			1
			ATTACHING PARTS			
2		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		4
			---*---			
3		1415-5380-800	ENCLOSURE ASSY, CAN			1
4		3107-5252-800	INSULATOR			1
5		1414-5385-200	COVER ASSY, ENCLOSURE			1
6		2400-5368-900	LABEL, IDENT			1

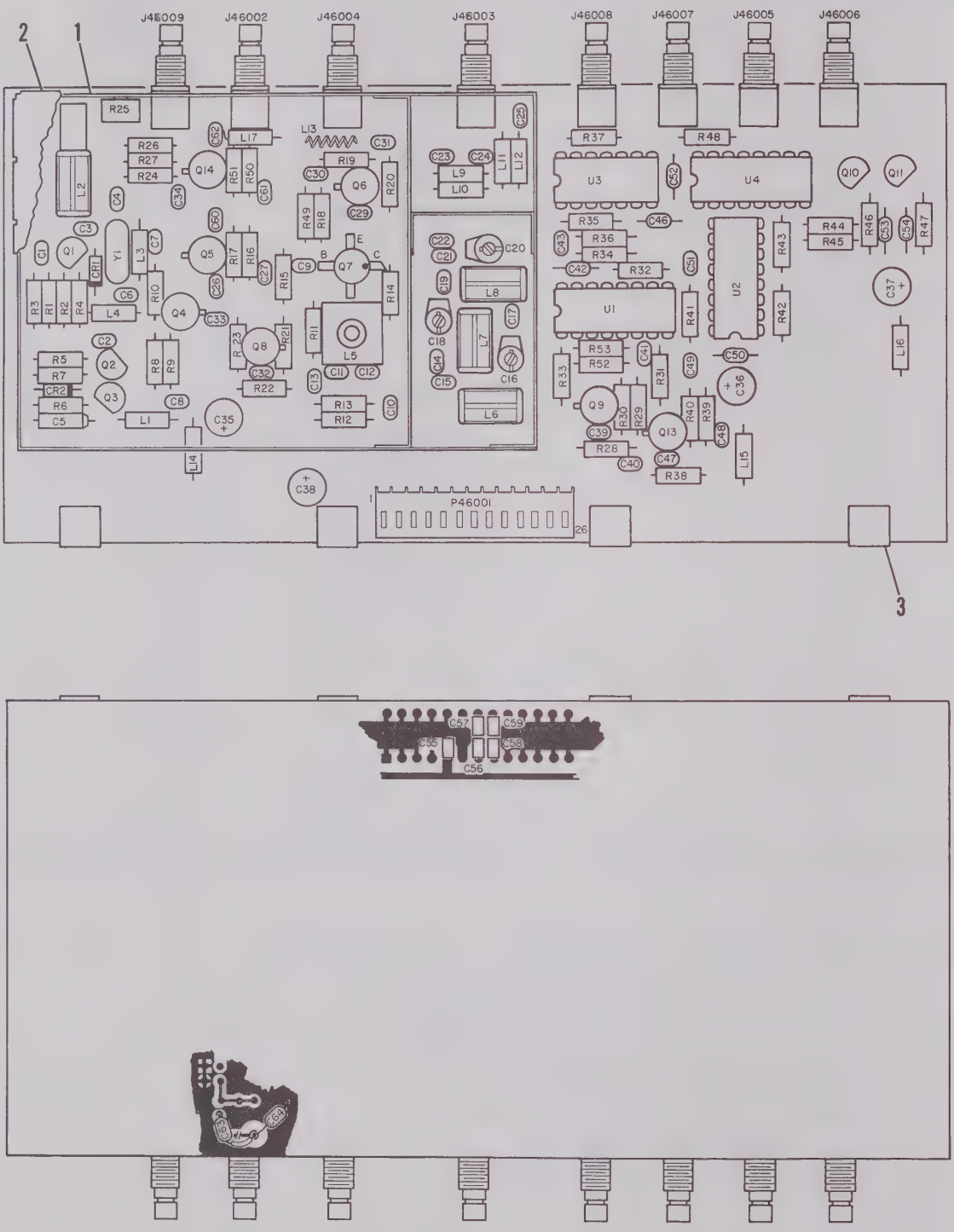

FIGURE 43 REFERENCE OSCILLATOR PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
43 -		7010-5339-500	REFERENCE OSCILLATOR PC BOARD ASSEMBLY SEE FIG 41 FOR NHA			REF
1		6500-5385-300	SHIELD ASSY, PC BD			1
2		1414-5368-500	COVER, SHIELD			1
3		2100-0000-100	NUT, SWAGE 4-40 (2040B)	83330		4
	J46002	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J46003	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J46004	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J46005	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J46006	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J46007	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J46008	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J46009	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	P46001	2129-0186-226	CONNECTOR, HEADER (15-29-5026)	27264		1
	C47001	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C47002	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C47003	1506-0330-017	CAPACITOR 33 pF, 200 V (C320C330J2G5CA)	61637		1
	C47004	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C47005	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433		1
	C47006	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C47007	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C47008	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C47009	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C47010	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C47011	1506-0330-017	CAPACITOR 33 pF, 200 V (C320C330J2G5CA)	61637		1
	C47012	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C47013	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C47014	1506-0180-017	CAPACITOR 18 pF, 200 V (C320C180J2G5CA)	61637		1
	C47015	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C47016	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C47017	1506-0010-017	CAPACITOR 1 pF, 100 V (RPE110CDG1R0C100V)	72982		1
	C47018	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C47019	1506-0010-017	CAPACITOR 1 pF, 100 V (RPE110CDG1R0C100V)	72982		1
	C47020	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C47021	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C47022	1506-0180-017	CAPACITOR 18 pF, 200 V (C320C180J2G5CA)	61637		1
	C47023	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C47024	1506-0180-017	CAPACITOR 18 pF, 200 V (C320C180J2G5CA)	61637		1
	C47025	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C47026	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C47027	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C47029	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C47030	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C47031	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C47032	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C47033	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C47034	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C47035	1580-4702-105	CAPACITOR 47 µF, 10 V (CLE4.7MF10V)	62462		1
	C47036	1508-0336-023	CAPACITOR 33 µF, 10 V (T350F336K010AS)	31433		1
	C47037	1580-4702-105	CAPACITOR 47 µF, 10 V (CLE4.7MF10V)	62462		1
	C47038	1580-4702-105	CAPACITOR 47 µF, 10 V (CLE4.7MF10V)	62462		1
	C47039	1506-0470-017	CAPACITOR 47 pF, 200 V (C320C470J2G5CA)	61637		1
	C47040	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C47041	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1

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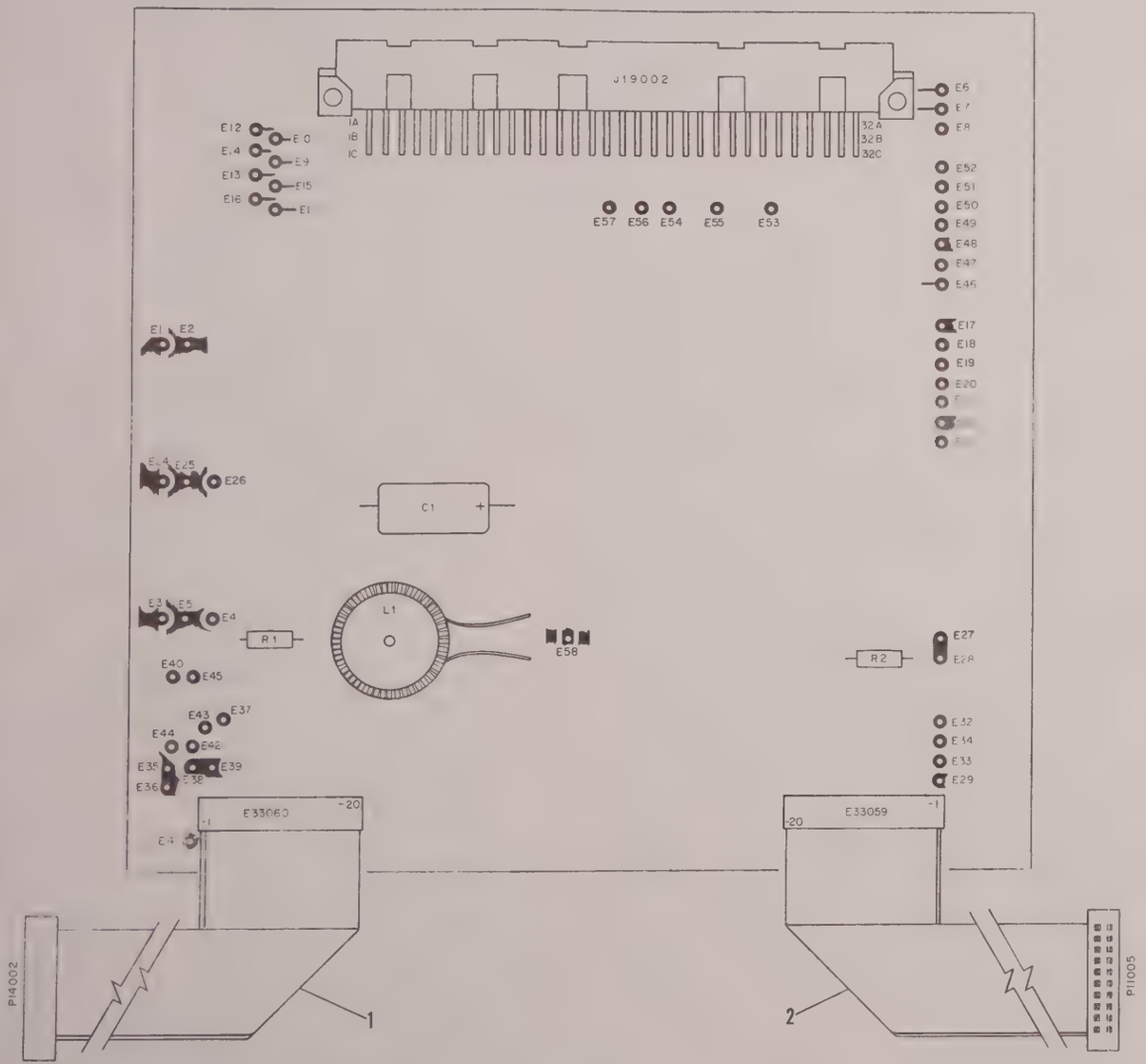
FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
43 -	C47042	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C47043	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C47046	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C47047	1506-0470-017	CAPACITOR 47 pF, 200 V (C320C470J2G5CA)	61637		1
	C47048	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C47049	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C47050	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C47051	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C47052	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C47053	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C47054	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C47055	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C47056	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C47057	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C47058	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C47059	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C47060	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C47061	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C47062	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C47063	1506-0330-017	CAPACITOR 33 pF, 200 V (C320C330J2G5CA)	61637		1
	C47064	1506-0121-017	CAPACITOR 120 pF, 200 V (C320C121J2G5CA)	61637		1
	CR47001	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR47002	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	L47001	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L47002	1804-0000-010	INDUCTOR, VAR .061 - .101 µH			1
	L47003	1801-0478-001	INDUCTOR .47 µH (1025-12)	99800		1
	L47004	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800		1
	L47005	1808-1290-500	INDUCTOR, VAR .05 µH, 43.5 pF			1
	L47006	1804-0000-014	INDUCTOR, VAR .032 - .042 µH			1
	L47007	1804-0000-014	INDUCTOR, VAR .032 - .042 µH			1
	L47008	1804-0000-014	INDUCTOR, VAR .032 - .042 µH			1
	L47009	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800		1
	L47010	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800		1
	L47011	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800		1
	L47012	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800		1
	L47013	SEE FIG 1	WIRE, MAGNET 38 GA, ENAM CTD			1
	L47014	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L47015	1801-0159-001	INDUCTOR 1.5 µH (1025-24)	99800		1
	L47016	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L47017	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800		1
	Q47001	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q47002	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q47003	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q47004	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q47005	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q47006	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q47007	4803-0000-004	TRANSISTOR (SRF3114)	04713		1
	Q47008	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q47009	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q47010	4805-0000-003	TRANSISTOR (MPS3646)	12467		1
	Q47011	4805-0000-003	TRANSISTOR (MPS3646)	12467		1
	Q47013	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q47014	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	R47001	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R47002	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R47003	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R47004	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R47005	4702-0151-003	RESISTOR 5%, 1/4 W, 150 Ω (RLR07C151JR)	81349		1
	R47006	4702-0272-003	RESISTOR 5%, 1/4 W, 2.7 K (RLR07C272JR)	81349		1
	R47007	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R47008	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R47009	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1

CONTINUED ON NEXT PAGE

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
43 -	R47010	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R47011	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	R47012	4702-0470-003	RESISTOR 5%, 1/4 W, 47 Ω (RLR07C470JR)	81349		1
	R47013	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R47014	4702-0390-003	RESISTOR 5%, 1/4 W, 39 Ω (RLR07C390JR)	81349		1
	R47015	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R47016	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R47017	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R47018	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R47019	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R47020	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R47021	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R47022	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R47023	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R47024	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R47025	4753-0202-002	RESISTOR, VAR 2 K (62-2-1-202)	02111		1
	R47026	4702-0271-003	RESISTOR 5%, 1/4 W, 270 Ω (RLR07C271JR)	81349		1
	R47027	4702-0510-002	RESISTOR 5%, 1/4 W, 51 Ω (RLR07C510JR)	81349		1
	R47028	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R47029	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R47030	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R47031	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R47032	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R47033	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R47034	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R47035	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R47036	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R47037	4702-0510-002	RESISTOR 5%, 1/4 W, 51 Ω (RLR07C510JR)	81349		1
	R47038	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R47039	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R47040	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R47041	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R47042	4702-0681-003	RESISTOR 5%, 1/4 W, 680 Ω (RLR07C681JR)	81349		1
	R47043	4702-0681-003	RESISTOR 5%, 1/4 W, 680 Ω (RLR07C681JR)	81349		1
	R47044	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R47045	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R47046	4702-0222-003	RESISTOR 5%, 1/4 W, 2.2 K (RLR07C222JR)	81349		1
	R47047	4702-0222-003	RESISTOR 5%, 1/4 W, 2.2 K (RLR07C222JR)	81349		1
	R47048	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R47049	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R47050	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R47051	4702-0223-003	RESISTOR 5%, 1/4 W, 22 K (RLR07C223JR)	81349		1
	R47052	4702-0122-003	RESISTOR 5%, 1/4 W, 1.2 K (RLR07C122JR)	81349		1
	R47053	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	U47001	3134-0000-109	IC, DUAL FLIP-FLOP (MC10H131P)	04713		1
	U47002	3213-1200-900	IC, MOD PRESCALER (MC12009L)	04713		1
	U47003	3131-0000-028	IC, DECADE CNTR (SN74LS90N)	01295		1
	U47004	3211-3390-000	IC, DUAL DECADE CNTR (SN74LS390N)	01295		1
	Y47001	2363-0076-000	CRYSTAL 100.000000 MHz (100 MHz)	54962		1



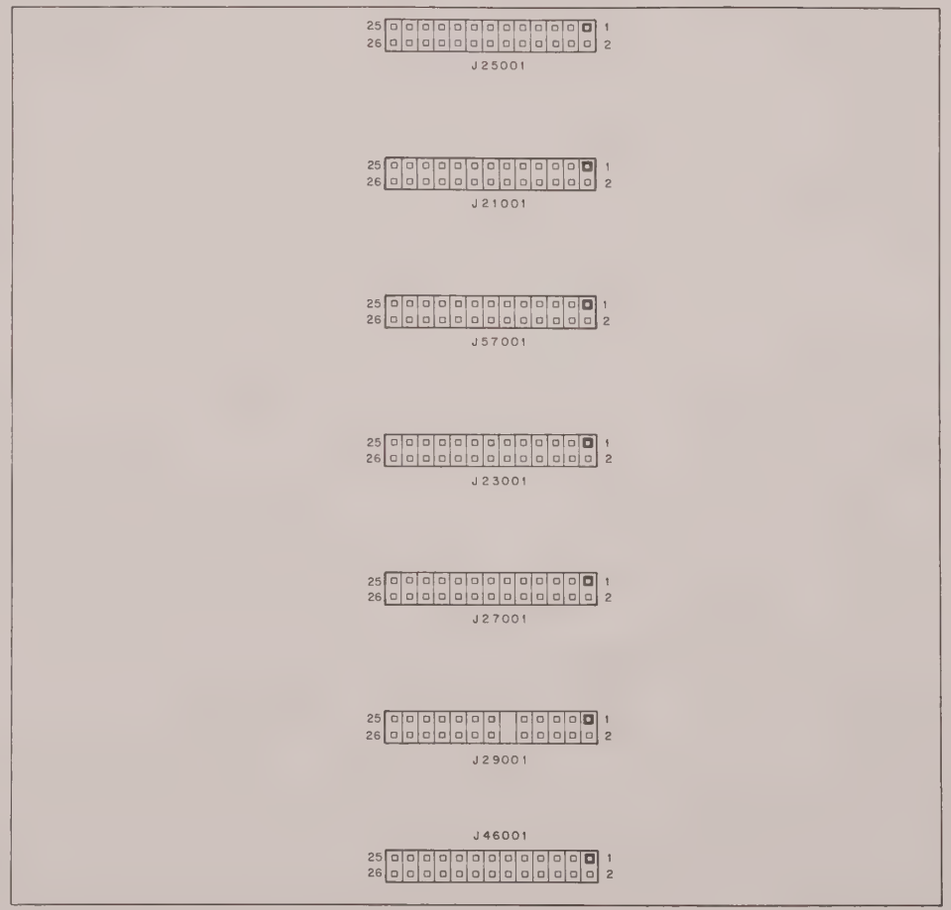


FIGURE 44 RF MOTHERBOARD PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
44 -		7010-5335-300	RF MOTHERBOARD PC BOARD ASSEMBLY SEE FIG 8 FOR NHA			REF
1		6045-5384-700	CABLE ASSY, RIBBON			1
2		6045-5383-300	CABLE ASSY, RIBBON			1
	J19002	2129-1002-096	CONNECTOR, HEADER (7296-50C5EH)	75037		1
	J21001	2129-1087-020	CONNECTOR, WAFER (87346-2)	00779		1
	J23001	2129-1087-020	CONNECTOR, WAFER (87346-2)	00779		1
	J25001	2129-1087-020	CONNECTOR, WAFER (87346-2)	00779		1
	J27001	2129-1087-020	CONNECTOR, WAFER (87346-2)	00779		1
	J29001	2129-1087-020	CONNECTOR, WAFER (87346-2)	00779		1
	J46001	2129-1087-020	CONNECTOR, WAFER (87346-2)	00779		1
	J57001	2129-1087-020	CONNECTOR, WAFER (87346-2)	00779		1
	C33001	1580-1020-049	CAPACITOR 1000 µF, 6 V (6R3TT1000MS)	52318		1
	L33001	1800-5353-900	INDUCTOR 165 TURN, #26 MAGNET			1
	R33001	4706-3012-001	RESISTOR 1%, 1/4 W, 30.1 K (RLR07C3012FR)	81349		1
	R33002	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
		SEE FIG 1	TY-RAP 4.0			A/R
		SEE FIG 1	TUBING, PVC 5/16, NAT			A/R

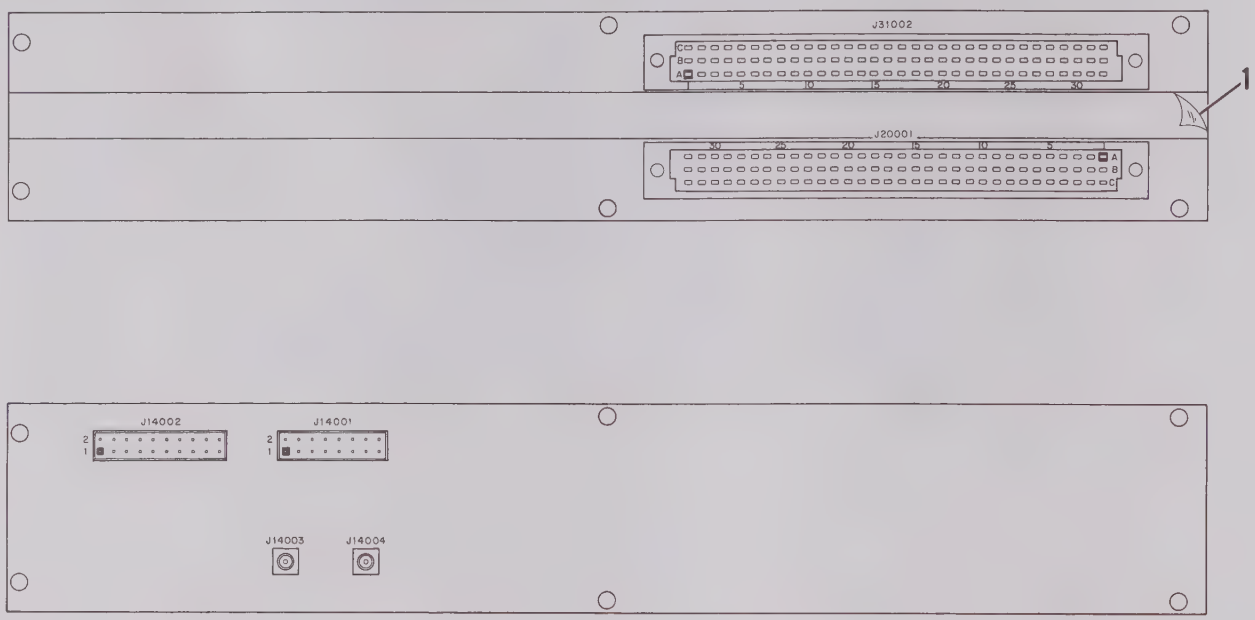


FIGURE 45 DIGITAL MOTHERBOARD PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
45 -		7010-5334-000	DIGITAL MOTHERBOARD PC BOARD ASSEMBLY SEE FIG 8 FOR NHA			REF
1		3107-5462-100	INSULATOR			1
	J14001	2129-1001-016	CONNECTOR, HEADER (3599-6002)	75037		1
	J14002	2129-1001-020	CONNECTOR, HEADER (3592-6002)	75037		1
	J14003	2200-2010-400	CONNECTOR, SMB (2009-7511-000)	19505		1
	J14004	2200-2010-400	CONNECTOR, SMB (2009-7511-000)	19505		1
	J20001	2129-1003-096	CONNECTOR, HEADER (7396-60C2TH)	75037		1
	J31002	2129-1003-096	CONNECTOR, HEADER (7396-60C2TH)	75037		1

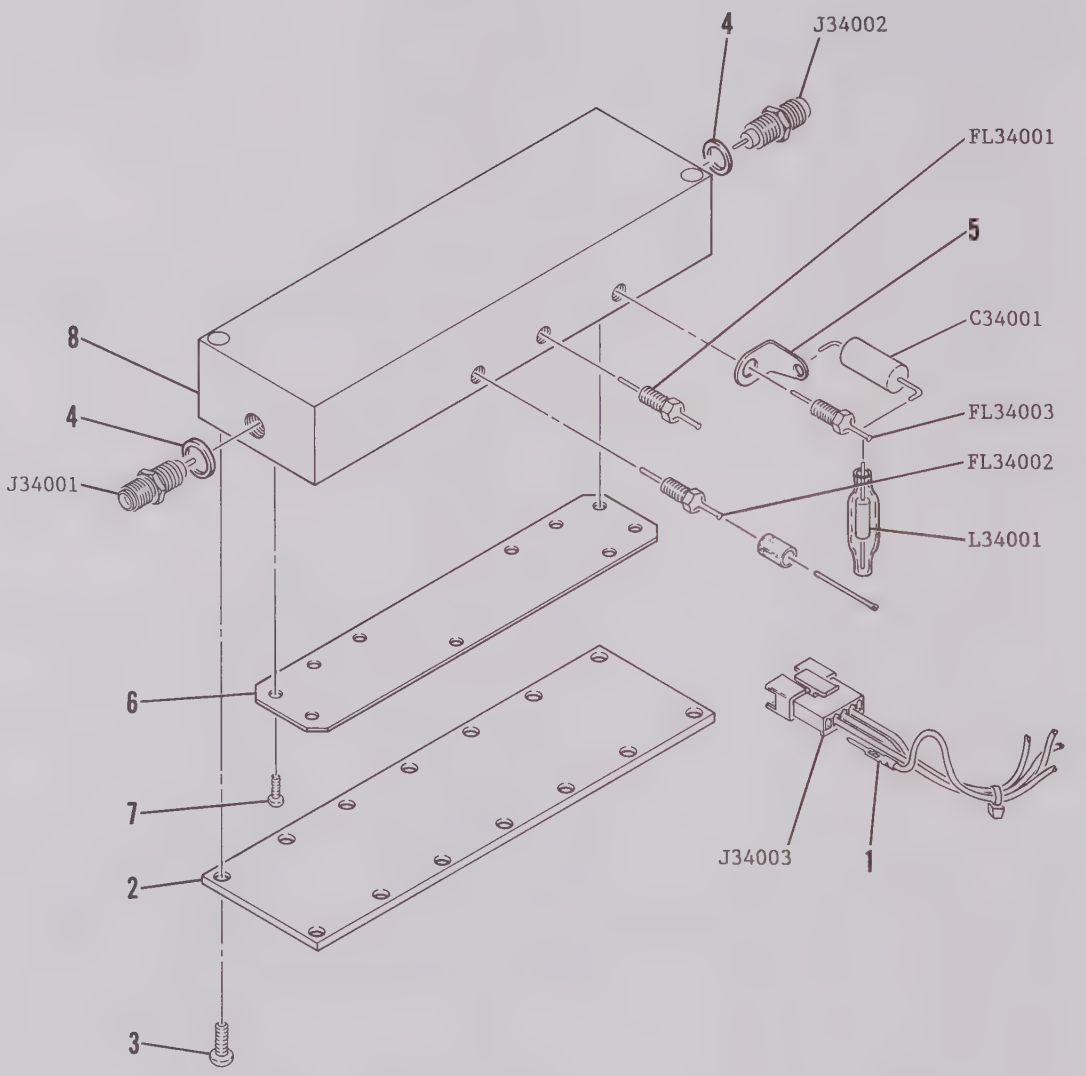


FIGURE 46 0/60 dB ATTTENUATOR ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
46 -		7005-5340-100	0/60 dB ATTTENUATOR ASSEMBLY SEE FIG 8 FOR NHA			REF
	J34003	2115-9001-005	CONNECTOR, LOCKING (SMR05VB)	UNK020		1
1		2114-9001-001	CONTACT, CONN 22 - 26 GA (SYM001T0.6)	UNK020		4
2		1414-5350-000	COVER, ENCLOSURE			1
			ATTACHING PARTS			
3		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		12
			---*---			
	J34001	2123-0000-030	CONNECTOR, SMA (9422-9513-002)	19505		1
	J34002	2123-0000-030	CONNECTOR, SMA (9422-9513-002)	19505		1
			ATTACHING PARTS			
4		2840-0003-001	WASHER, FLAT (.363 OD FLAT WASHER)	UNK015		1
			---*---			
	C34001	1502-0105-007	CAPACITOR 1 µF, 50 V (MPC13-1-50-5)	27735		1
	L34001	1801-0102-001	INDUCTOR 1 mH (1025-92)	99800		1
	FL34001	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL34002	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL34003	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
			ATTACHING PARTS			
5		2850-0000-014	LUG, GND #4 (1411-4)	83330		1
			---*---			
6		SEE FIG 47	0/60 dB ATTENUATOR PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
7		2801-0188-006	SCREW (2-56 X 3/16 PPHM)	UNK015		10
			---*---			
8		1415-5350-100	ENCLOSURE, BLOCK			1
		SEE FIG 1	WIRE, 7S 22 GA			A/R
		SEE FIG 1	TUBING, TFL 24 GA, NAT			A/R
		SEE FIG 1	TUBING, HS 3/32, BLK			A/R
		SEE FIG 1	TUBING, HS 3/16, CLR			A/R
		SEE FIG 1	TY-RAP 4.0			A/R

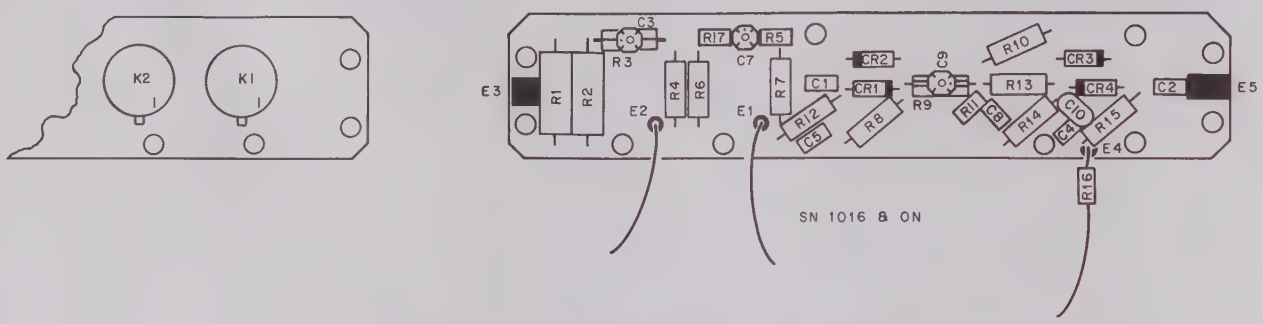


FIGURE 47 0/60 dB ATTENUATOR PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
47 -		7010-5330-100*	0/60 dB ATTENUATOR PC BOARD ASSEMBLY SEE FIG 46 FOR NHA			REF
	C35001	1620-8280-500	CAPACITOR .082 µF, 100 V (C1812C823K1GAC)	61637		1
	C35002	1620-8280-500	CAPACITOR .082 µF, 100 V (C1812C823K1GAC)	61637		1
	C35003	1550-0101-510	CAPACITOR, VAR .5 - 2.5 pF (9402-0)	29454		1
	C35004	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C35007	1550-0101-510	CAPACITOR, VAR .5 - 2.5 pF (9402-0)	29454		1
	C35008	1622-0030-001	CAPACITOR 3 pF, 100 V (GRM42-6COG3ROB100VPT)	72982		1
	C35009	1550-0101-510	CAPACITOR, VAR .5 - 2.5 pF (9402-0)	29454		1
	C35010	1506-0010-017	CAPACITOR 1 pF, 100 V (RPE110CDG1R0C100V)	72982		1
	CR35001	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR35002	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR35003	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR35004	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	K35001	4501-0000-011	RELAY 12 VDC, 1 A (CSW12)	02289		1
	K35002	4501-0000-011	RELAY 12 VDC, 1 A (CSW12)	02289		1
	R35001	4711-2000-001	RESISTOR 1%, 1/2 W, 200 Ω (RLR202000FR)	81349		1
	R35002	4711-2000-001	RESISTOR 1%, 1/2 W, 200 Ω (RLR202000FR)	81349		1
	R35003	4706-7159-001	RESISTOR 1%, 1/4 W, 71.5 Ω (RLR077159FR)	81349		1
	R35004	4706-1000-001	RESISTOR 1%, 1/4 W, 100 Ω (RLR07C1000FR)	81349		1
	R35005	4719-1240-001	RESISTOR 1%, 1/8 W, 124 Ω (BCD1241FA)	01121		1
	R35006	4706-6199-001	RESISTOR 1%, 1/4 W, 61.9 Ω (RLR076199FR)	81349		1
	R35007	4706-6199-001	RESISTOR 1%, 1/4 W, 61.9 Ω (RLR076199FR)	81349		1
	R35008	4706-7159-001	RESISTOR 1%, 1/4 W, 71.5 Ω (RLR077159FR)	81349		1
	R35009	4706-2000-001	RESISTOR 1%, 1/4 W, 200 Ω (RLR07C2000FR)	81349		1
	R35010	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R35011	4719-0680-102	RESISTOR 5%, 1/8 W, 68 Ω (RX3911G680JBA)	72982		1
	R35012	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R35013	4706-1820-001	RESISTOR 1%, 1/4 W, 182 Ω (RLR07C1820FR)	81349		1
	R35014	4706-7159-001	RESISTOR 1%, 1/4 W, 71.5 Ω (RLR077159FR)	81349		1
	R35015	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R35016	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R35017	4719-1240-001	RESISTOR 1%, 1/8 W, 124 Ω (BCD1241FA)	01121		1
		SEE FIG 1	WIRE, BUS 22 GA			A/R
	C35005	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1

NOTE: * FOR TRACKING PURPOSES, WHEN USED WITH 0/60 dB ATTENUATOR ASSEMBLY, SUFFIX ALL REFERENCE DESIGNATORS WITH "A" (e.g. R6801 IS R6801A). WHEN USED IN OUTPUT ATTENUATOR ASSEMBLY, SUFFIX ALL REFERENCE DESIGNATORS WITH "B". (e.g. R6801 IS R6801B).

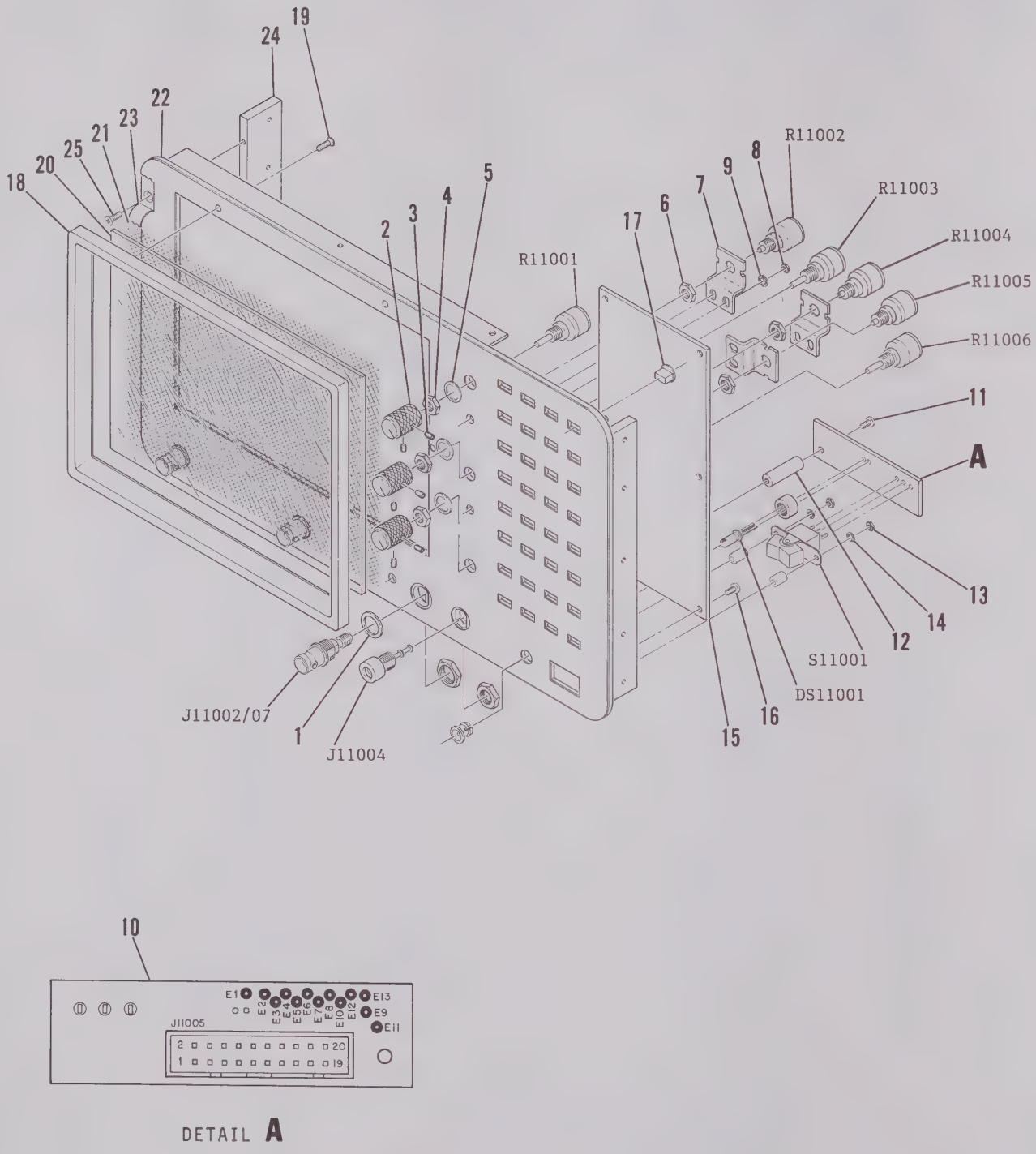


FIGURE 48 FRONT PANEL ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
48 -		7005-5342-200	FRONT PANEL ASSEMBLY SEE FIG 8 FOR NHA			REF
	J11001/ J11006	2200-0410-100	CONNECTOR, BULKHEAD BNC/SMA (5526-2501-001) INCL MTG HARDWARE	19505		1
	J11002/ J11007	2200-0410-100	CONNECTOR, BULKHEAD BNC/SMA (5526-2501-001) INCL MTG HARDWARE	19505		1
	J11003/ J11008	2200-0410-100	CONNECTOR, BULKHEAD BNC/SMA (5526-2501-001) INCL MTG HARDWARE	19505		1
			ATTACHING PARTS			
1		2840-0000-042	WASHER, FLAT (.430D,.375ID,.020TH)	UNK015		1
			---*---			
	J11004	2160-9016-602	CONNECTOR, BANANA JACK RED (1499-102) INCL MTG HARDWARE	83330		1
2		2402-0921-900	KNOB, ROUND			3
			ATTACHING PARTS			
3		2803-0125-001	SCREW (4-40 X 1/8 SHS)	UNK015		2
			---*---			
	R11001	4751-0102-003	RESISTOR, VAR 1 K			1
	R11003	4751-0103-005	RESISTOR, VAR 10 K			1
	R11006	4750-7615-100	RESISTOR, VAR 10 K			1
			ATTACHING PARTS			
4		2850-0000-046	NUT 1/4-32 (019-971-03)	12697		1
5		2840-0003-001	WASHER, FLAT (.363 OD FLAT WASHER)	UNK015		1
			---*---			
	R11002	4751-0102-004	RESISTOR, VAR 1 K			1
	R11004	4751-0103-006	RESISTOR, VAR 10 K			1
	R11005	4750-7616-800	RESISTOR, VAR 10 K			1
			ATTACHING PARTS			
6		2850-0000-046	NUT 1/4-32 (019-971-03)	12697		1
			---*---			
7		1400-5355-800	BRACKET, MTG			1
			ATTACHING PARTS			
8		2850-0000-020	NUT 4-40 (NAS671C4)	UNK016		2
9		2840-0000-003	WASHER, LOCK (#4INT TOOTH LOCKWASH)	UNK015		2
			---*---			
10		1700-5325-400	FRONT PANEL INTFC PC BD			1
			ATTACHING PARTS			
11		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		1
12		2800-7600-144	SPACER, THREADED 4-40			1
			---*---			
	J11005	2129-1001-020	CONNECTOR, HEADER (3592-6002)	75037		1
	DS11001	4950-0200-000	LED RED (HLMP3301) INCL MTG HARDWARE	54893		1
	S11001	5125-0010-105	SWITCH, ROCKER (7107J1CQ) INCL MTG HARDWARE	09353		1
			ATTACHING PARTS			
13		2850-0000-007	NUT (2-56)	UNK016		2
14		2840-0000-004	WASHER, LOCK (#2INT TOOTH LOCKWASH)	UNK015		2
			---*---			
15		SEE FIG 49	KEYBOARD PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
16		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		6
			---*---			
17		2402-5053-001	BUTTON, PUSH			32
18		2406-5355-900	BEZEL, CRT			1
			ATTACHING PARTS			
19		2803-0250-003	SCREW (4-40 X 1/4 PFHM)	UNK015		6
			---*---			
20		2406-5357-900	LENS			1
21		2602-5359-100	SCREEN, CRT EMI			1
22		6500-5383-402	FRONT PANEL ASSY			1
23		2403-5363-900	OVERLAY, FRONT PANEL			1
24		2100-5150-400	BRACKET, FRONT PANEL MTG			2
			ATTACHING PARTS			
25		2803-0188-003	SCREW (4-40 X 3/16 PFHM)	UNK015		2
			---*---			
		SEE FIG 1	WIRE, 7S 26 GA			A/R

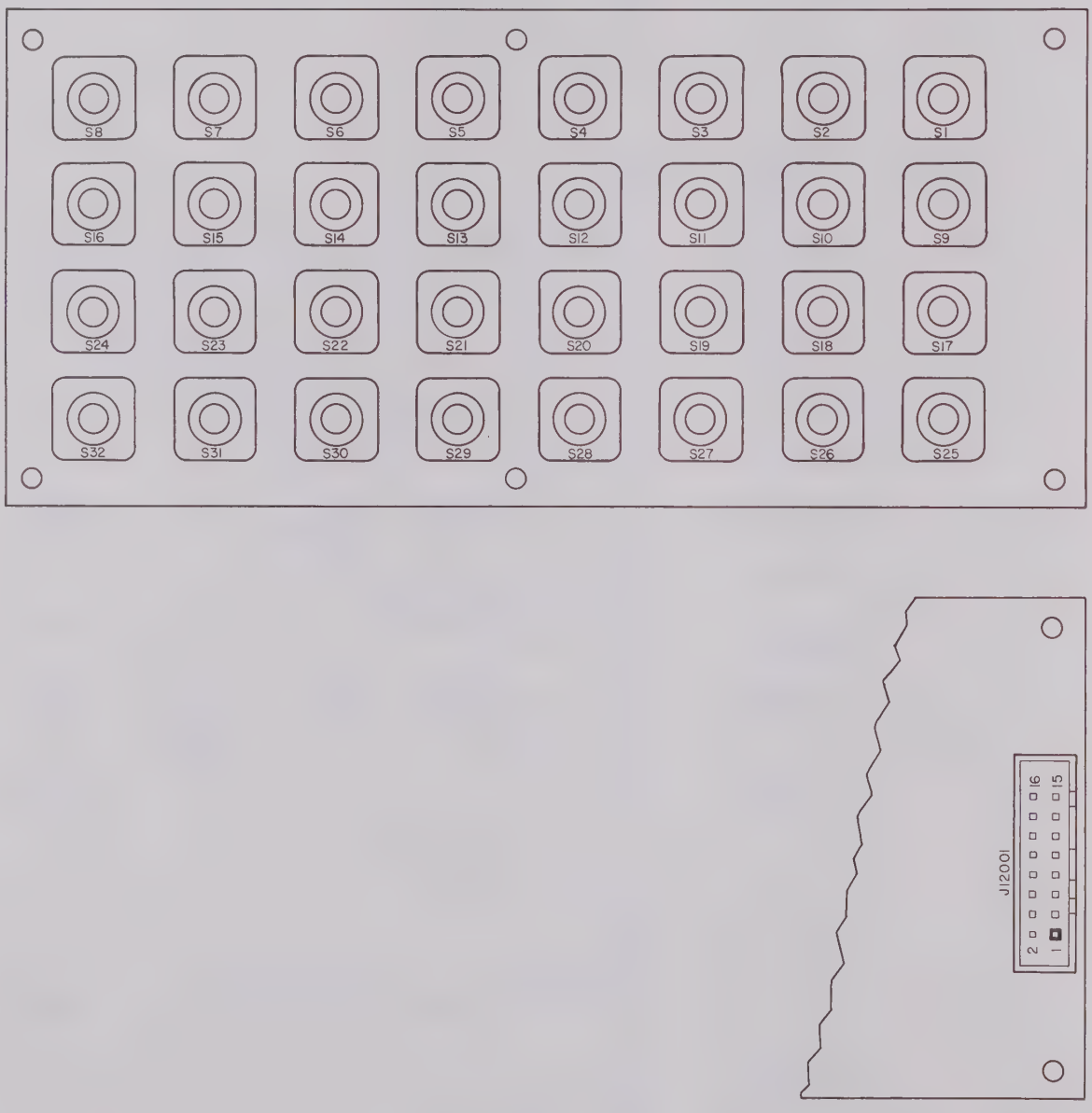
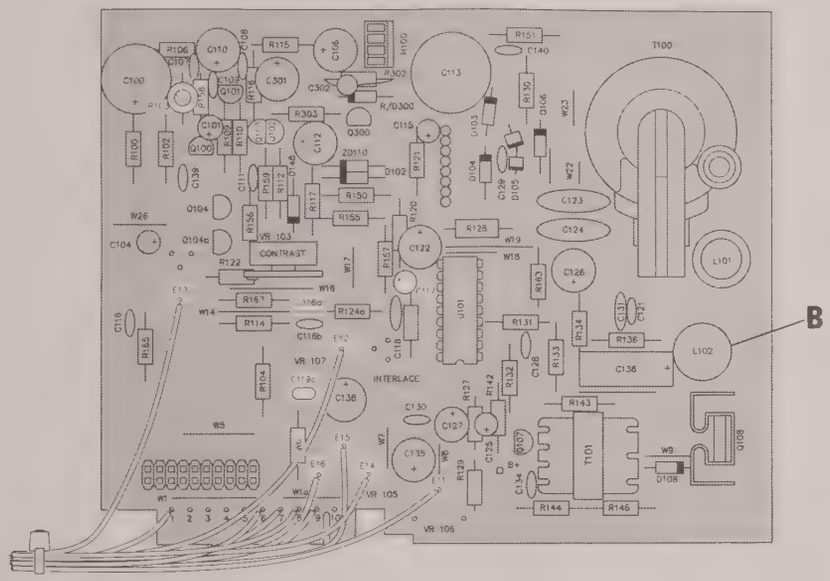
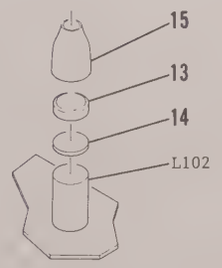


FIGURE 49 KEYBOARD PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
49 -		7010-5331-200	KEYBOARD PC BOARD ASSEMBLY SEE FIG 48 FOR NHA			REF
	J12001	2129-1001-016	CONNECTOR, HEADER (3599-6002)	75037		1
	S12001	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12002	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12003	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12004	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12005	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12006	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12007	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12008	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12009	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12010	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12011	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12012	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12013	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12014	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12015	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12016	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12017	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12018	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12019	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12020	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12021	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12022	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12023	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12024	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12025	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12026	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12027	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12028	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12029	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12030	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12031	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1
	S12032	5136-0001-000	SWITCH, MEMBRANE (BMG)	UNK022		1



DETAIL **A**



DETAIL **B**

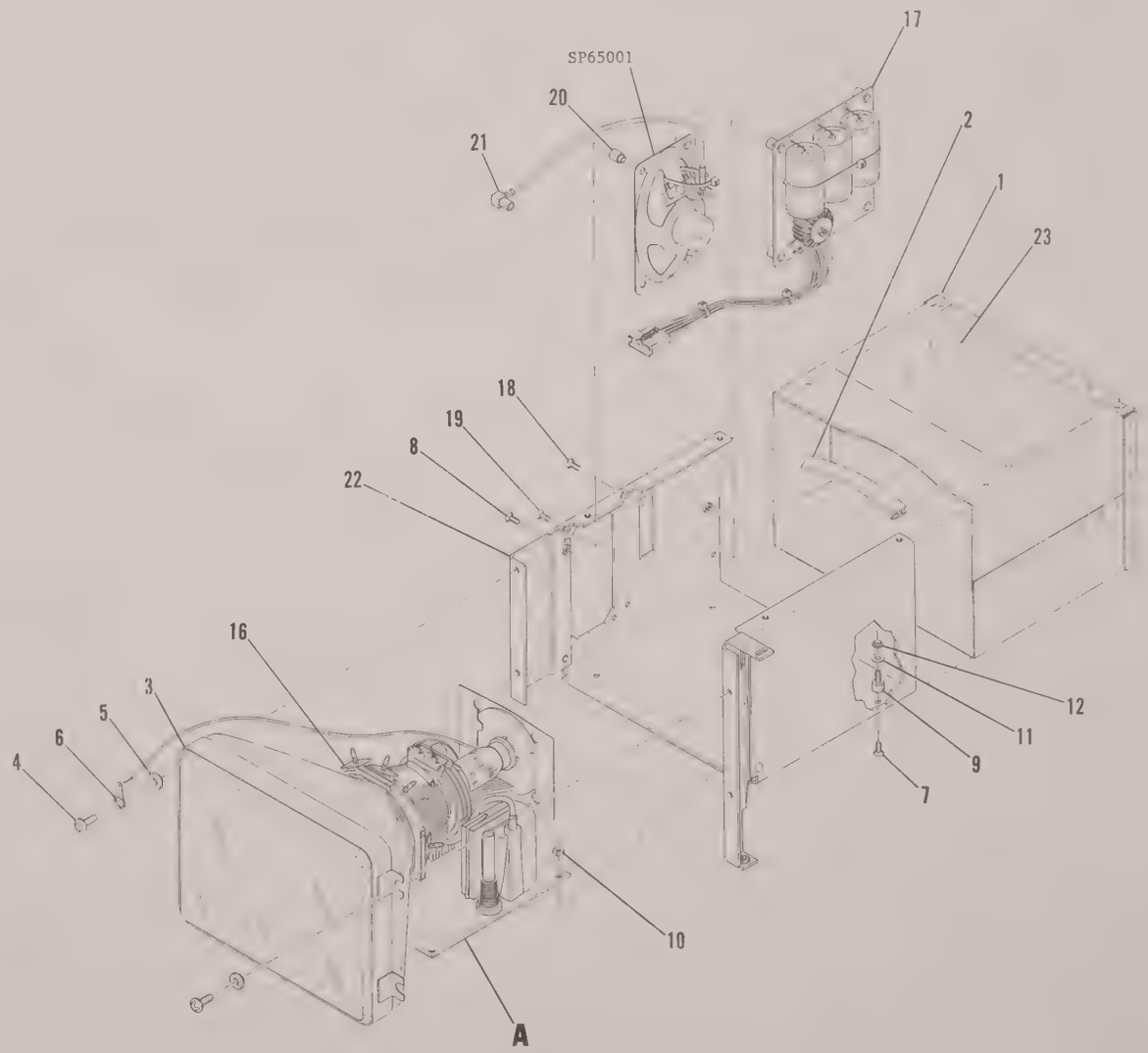


FIGURE 50 CRT DISPLAY ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
50 -		7005-5344-900	CRT DISPLAY ASSEMBLY SEE FIG 8 FOR NHA			REF
1		6500-5385-000	SHIELD ASSY, CRT			1
2		SEE FIG 1	TRIM, RUBBER BLK (62-3/32B7)	57137		A/R
3		7125-0004-100	MONOCHROME CRT ASSY			1
			ATTACHING PARTS			
4		2805-0375-006	SCREW (8-32 X 3/8 PHIL BIND)	UNK015		4
5		2840-0007-000	WASHER, SHOULDER PHENOLIC (5605-10)	86928		4
6		2850-0000-041	LUG, GND #8 (1411-8)	83330		1
7		2803-0188-003	SCREW (4-40 X 3/16 PFHM)	UNK015		4
			---*---			
8		2803-0188-003	SCREW (4-40 X 3/16 PFHM)	UNK015		2
9		2850-7601-301	SCREW, SPECIAL 4-40			4
			ATTACHING PARTS			
10		2850-0000-008	NUT (4-40)	UNK016		1
11		2840-0000-008	WASHER, FLAT #4 (AN960C4)	UNK015		1
12		2840-6153-500	WASHER, SHOULDER (7721-7PPS)	13013		1
			---*---			
	C117	1580-1092-450*	CAPACITOR 1 µF, 50 V (50TWIL)	52318		1
	C119c	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	Q102	4801-0000-001@	TRANSISTOR (PN2222)	12467		1
	Q103	4801-0000-001@	TRANSISTOR (PN2222)	12467		1
	R103	4752-0204-002	RESISTOR, VAR 200 K (62-1-1-204)	02111		1
	R158	4702-0829-003#	RESISTOR 5%, 1/4 W, 8.2 Ω (RLR07C8R2JR)	81349		1
	W6	4706-1433-001	RESISTOR 1%, 1/4 W, 143 K (RLR07C1433FR)	81349		1
13		6502-0000-001**	MAGNET, COIL (27-100-01)	UNK049		A/R
14		2519-5310-000**	WASHER, SHIM			A/R
15		SEE FIG 1	TUBING, HS 1/2, BLK			A/R
16		6502-0000-002+	MAGNET, YOKE YEL (27-101-01)	UNK049		A/R
		6502-0000-003+	MAGNET, YOKE RED (27-102-01)	UNK049		A/R
		6502-0000-004+	MAGNET, YOKE GRN (27-103-01)	UNK049		A/R
		6502-0000-005+	MAGNET, YOKE BLU (27-104-01)	UNK049		A/R
		6502-0000-006+	MAGNET, YOKE WHT (27-105-01)	UNK049		A/R
17		SEE FIG 51	CRT FILTER PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
18		2803-0188-003	SCREW (4-40 X 3/16 PFHM)	UNK015		4
			---*---			
	SP65001	5950-0002-000	SPEAKER (2X38A8)	07109		1
			ATTACHING PARTS			
19		2803-0188-003	SCREW (4-40 X 3/16 PFHM)	UNK015		3
20		2800-0003-110	SPACER (BR6911B0-250-31)	05791		3
			---*---			
21		6050-1050-950	CABLE ASSY, COAX FLEX			1
22		6500-5382-800	CHASSIS ASSY, CRT			1
23		SEE FIG 8	INSULATOR			REF
		SEE FIG 1	WIRE, 7S 18 GA			A/R
		SEE FIG 1	WIRE, 7S 22 GA			A/R
		SEE FIG 1	WIRE, 7S 20 GA			A/R
		SEE FIG 1	TY-RAP 4.0			A/R

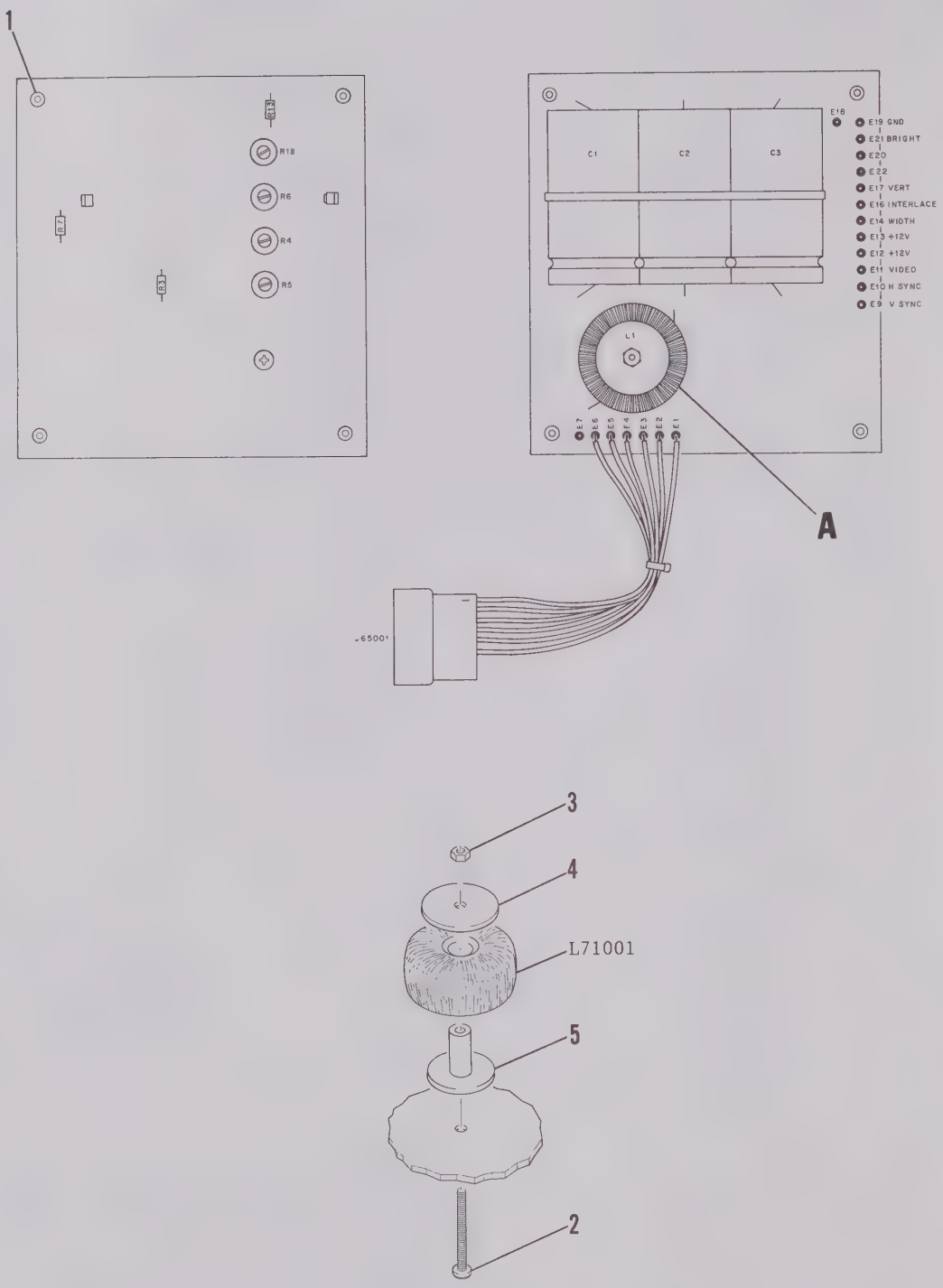
NOTE: * SELECTED AT TEST (SAT)
NOMINAL VALUE = 47 µF (COMPUTRON, UNK049)
SELECT VALUE = 1.0 µF

@ SELECTED AT TEST (SAT)
ORIGINAL = 2N4400 (COMPUTRON, UNK049)
ALTERNATE = 2N2222 (12467)

SELECTED AT TEST (SAT)
NOMINAL VALUE = 15 Ω (COMPUTRON, UNK049)
SELECT VALUE = 6.8 Ω THRU 15 Ω

+ SELECTED AT TEST (SAT)
MAY OR MAY NOT BE INSTALLED.

** SELECTED AT TEST (SAT)
ANY COMBINATION MAY BE USED.



DETAIL **A**

FIGURE 51 CRT FILTER PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
51 -		7010-5334-700	CRT FILTER PC BOARD ASSEMBLY SEE FIG 8 FOR NHA			REF
	J65001	2115-9001-008	CONNECTOR, LOCKING (SMR08VB)	UNK020		1
		2114-9001-001	CONTACT, CONN 22 - 26 GA (SYM001T0.6)	UNK020		6
1		2800-0003-108	SPACER, THREADED 4-40 (BR6911B0.187-31)	05791		4
	C71001	1580-4720-250	CAPACITOR 4700 µF, 25 V (TLB1E472MDA)	55680		1
	C71002	1580-4720-250	CAPACITOR 4700 µF, 25 V (TLB1E472MDA)	55680		1
	C71003	1580-4720-250	CAPACITOR 4700 µF, 25 V (TLB1E472MDA)	55680		1
	L71001	1800-5062-200	INDUCTOR 140 TURN, 22 GA			1
			ATTACHING PARTS			
2		2803-0750-006	SCREW (4-40 X 3/4 PPHMS)	45684		1
3		2850-0000-008	NUT (4-40)	UNK016		1
4		2840-7600-216	WASHER, FLAT PHENOLIC			1
5		2510-5064-302	HUB, MTG			1
			---*---			
	R71003	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R71004	4752-0203-002	RESISTOR, VAR 20 K (62-1-1-203)	02111		1
	R71005	4752-0502-002	RESISTOR, VAR 5 K (62-1-1-502)	02111		1
	R71006	4752-0202-002	RESISTOR, VAR 2 K (62-1-1-202)	02111		1
	R71007	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R71012	4752-0104-002	RESISTOR, VAR 100 K (62-1-1-104)	02111		1
	R71013	4701-0473-003	RESISTOR 5%, 1/8 W, 47 K (RLR05C473JR)	81349		1
		SEE FIG 1	WIRE, 7S 20 GA			REF
		SEE FIG 1	WIRE, 7S 22 GA			REF
		SEE FIG 1	TY-RAP 4.0			1
		SEE FIG 1	TY-RAP 5.5			1

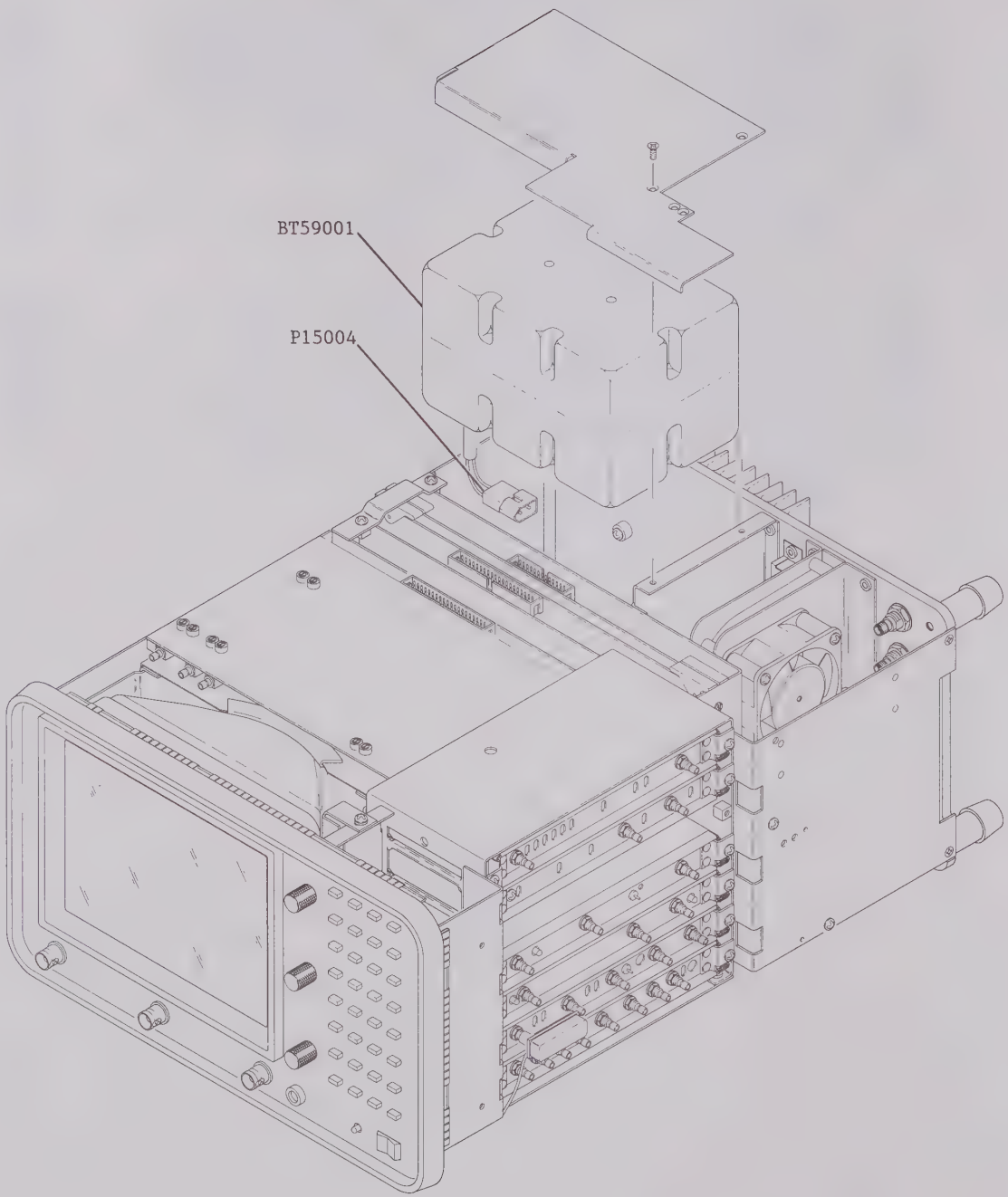


FIGURE 52 BATTERY ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
52 -		7005-7624-500	BATTERY ASSEMBLY SEE FIG 8 FOR NHA			REF
	P15004	2115-0000-008	CONNECTOR, POLARIZED (03-09-2022)	27264		1
		2114-0000-021	CONTACT, CONN 14 - 20 GA (02-09-2103)	27264		1
	BT59001	4000-0004-001	BATTERY, MODIFIED 12 V, 5 AH			1
		SEE FIG 1	TUBING, PVC 5/16, CLR			A/R

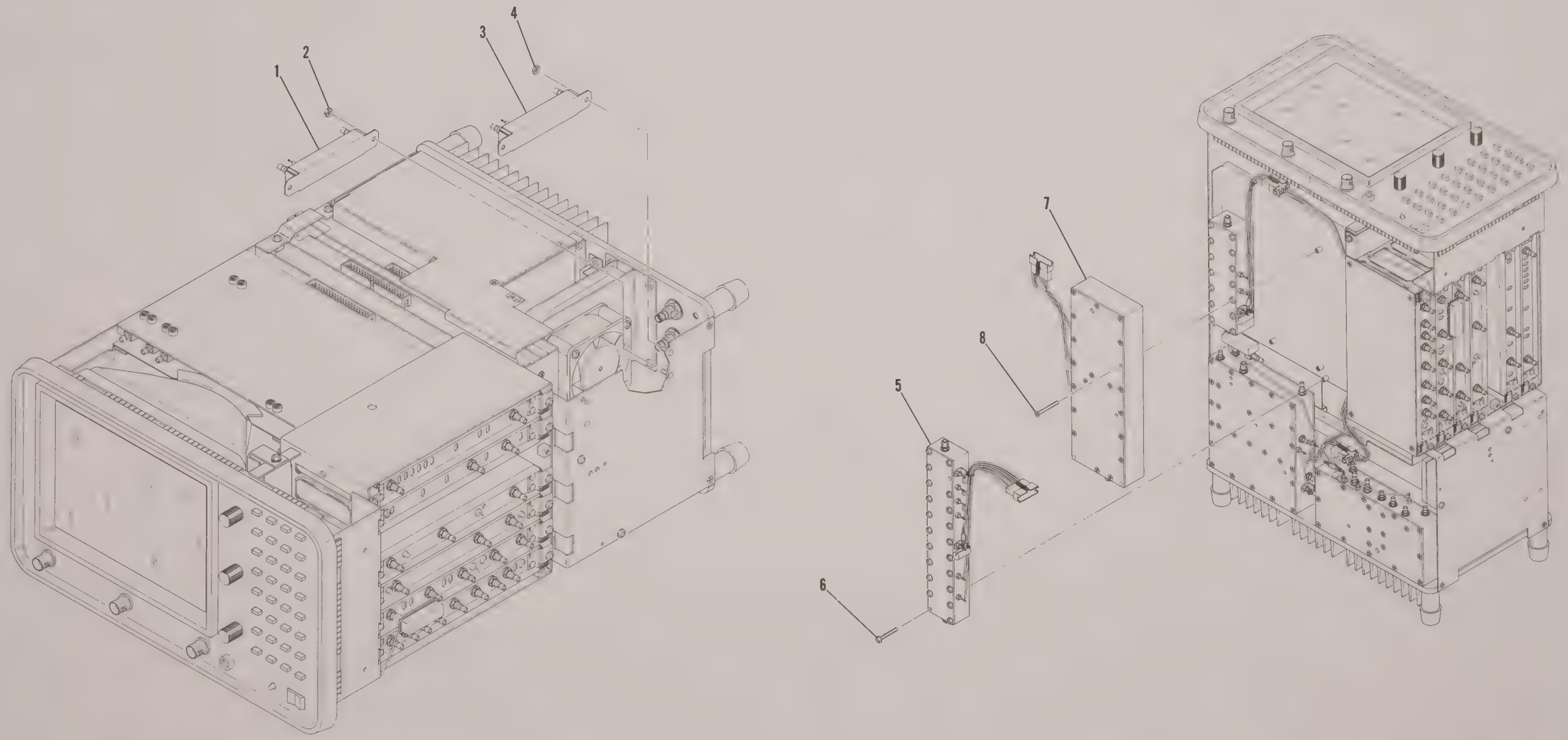


FIGURE 53 TRACKING GENERATOR INSTALLATION

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
53 -			TRACKING GENERATOR INSTALLATION SEE FIG 8 FOR NHA			NP
1		SEE FIG 54	OUTPUT BUFFER ASSEMBLY			1
			ATTACHING PARTS			
2		2850-0000-020	NUT 4-40 (NAS671C4)	UNK016		2
			---*---			
3		SEE FIG 55	OSCILLATOR BUFFER ASSEMBLY			1
			ATTACHING PARTS			
4		2850-0000-020	NUT 4-40 (NAS671C4)	UNK016		2
			---*---			
5		SEE FIG 56	OUTPUT ATTENUATOR ASSEMBLY			1
			ATTACHING PARTS			
6		2803-0875-012	SCREW (4-40 X 7/8 PPHMS)	45684		2
			---*---			
7		SEE FIG 58	GENERATOR ASSEMBLY			1
			ATTACHING PARTS			
8		2803-1000-003	SCREW (4-40 X 1 PFHMS)	45684		3
			---*---			
		6042-5382-700	CABLE ASSY, COAX SEMI-RIGID			1
		6042-5382-400	CABLE ASSY, COAX SEMI-RIGID			1
	TAG37	6050-0050-925	CABLE ASSY, COAX FLEX			1
	TAG38	6050-0041-600	CABLE ASSY, COAX FLEX			1
	TAG39	6050-0042-020	CABLE ASSY, COAX FLEX			1
	TAG40	6050-0051-250	CABLE ASSY, COAX FLEX			1
		SEE FIG 1	WIRE, 7S 22 GA			A/R

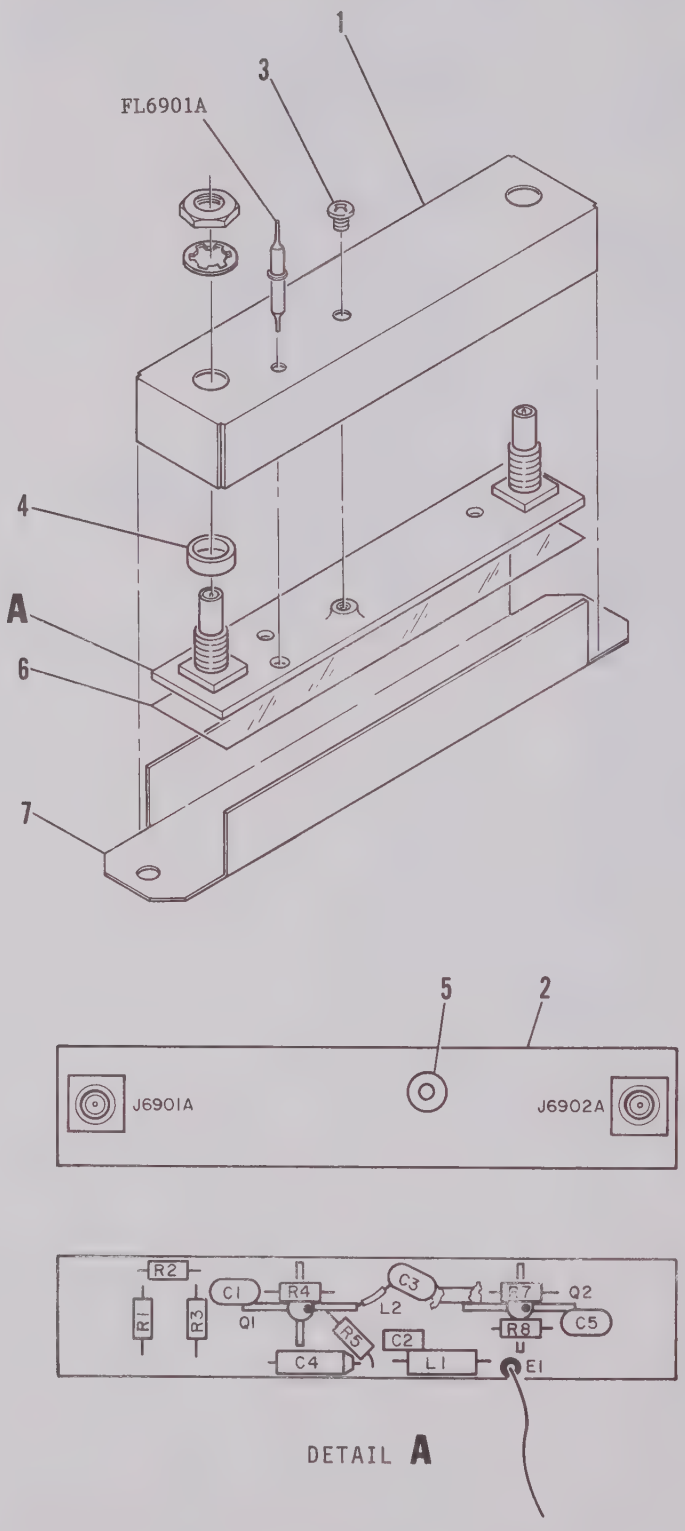


FIGURE 54 OUTPUT BUFFER ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
54 -		7005-5046-801*	OUTPUT BUFFER ASSEMBLY SEE FIG 53 FOR NHA			REF
1		1415-5057-000	COVER, BASE PLATE			1
	FL6901	5801-0000-012	FILTER, FEEDTHRU 1500 pF (1251-001)	72982		1
2		7010-5036-801	OUTPUT BUFFER PC BOARD ASSEMBLY INCL MTG HARDWARE ATTACHING PARTS			1
3		2801-0188-006	SCREW (2-56 X 3/16 PPHM) ---*---	UNK015		1
	J6901	2200-2010-200	CONNECTOR, SMB (2109-6511-001) INCL MTG HARDWARE	19505		1
	J6902	2200-2010-200	CONNECTOR, SMB (2109-6511-001) INCL MTG HARDWARE ATTACHING PARTS	19505		1
4		2800-7600-181	SPACER ---*---			1
5		2800-0000-002	SPACER (350-2188-09-07-00)	71279		1
	C6801	1506-0010-017	CAPACITOR 1 pF, 100 V (RPE110CDG1R0C100V)	72982		1
	C6802	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C6803	1506-0020-017	CAPACITOR 2.2 pF, 100 V (RPE110C0G2R2C100V)	72982		1
	C6804	1507-0335-018	CAPACITOR 3.3 µF, 35 V (T322C335M035AS)	31433		1
	C6805	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	L6801	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	Q6801	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q6802	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	R6801	4701-0820-003	RESISTOR 5%, 1/8 W, 82 Ω (RLR05C820JR)	81349		1
	R6802	4701-0820-003	RESISTOR 5%, 1/8 W, 82 Ω (RLR05C820JR)	81349		1
	R6803	4701-0820-003	RESISTOR 5%, 1/8 W, 82 Ω (RLR05C820JR)	81349		1
	R6804	4701-0153-003	RESISTOR 5%, 1/8 W, 15 K (RLR05C153JR)	81349		1
	R6805	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R6807	4701-0153-003	RESISTOR 5%, 1/8 W, 15 K (RLR05C153JR)	81349		1
	R6808	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
		SEE FIG 1	WIRE, BUS 22 GA			A/R
6		3107-5057-200	INSULATOR			1
7		1414-5057-100	PLATE, BASE			1

NOTE: * FOR TRACKING PURPOSES, SUFFIX ALL REFERENCE DESIGNATORS WITH "A" (e.g. R6801 IS R6801A)

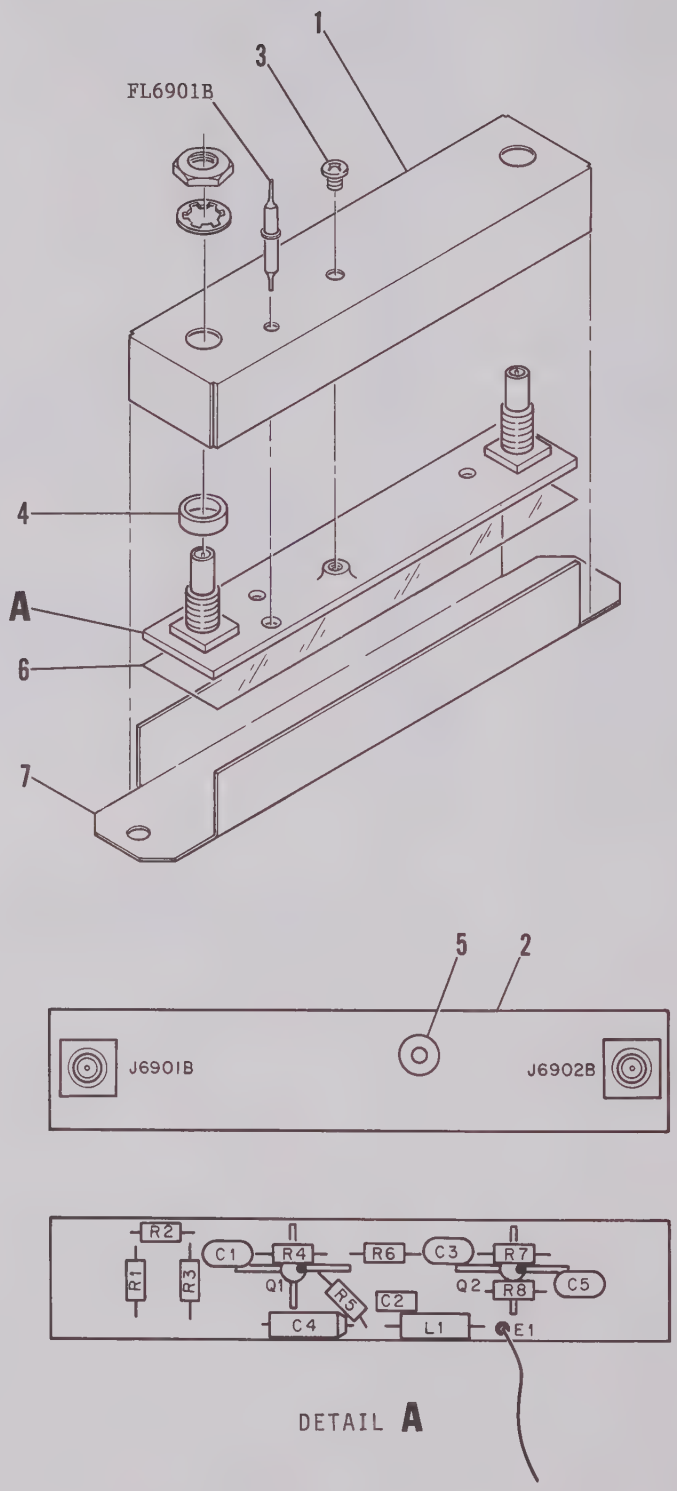


FIGURE 55 OSCILLATOR BUFFER ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
55 -		7005-5046-800*	OSCILLATOR BUFFER ASSEMBLY SEE FIG 53 FOR NHA			REF
1		1415-5057-000	COVER, BASE PLATE			1
	FL6901	5801-0000-012	FILTER, FEEDTHRU 1500 pF (1251-001)	72982		1
2		7010-5036-800	OSCILLATOR BUFFER PC BOARD ASSEMBLY INCL MTG HARDWARE			1
			ATTACHING PARTS			
3		2801-0188-006	SCREW (2-56 X 3/16 PPHM)	UNK015		1
			---*---			
	J6901	2200-2010-200	CONNECTOR, SMB (2109-6511-001) INCL MTG HARDWARE	19505		1
	J6902	2200-2010-200	CONNECTOR, SMB (2109-6511-001) INCL MTG HARDWARE	19505		1
			ATTACHING PARTS			
4		2800-7600-181	SPACER			1
			---*---			
5		2800-0000-002	SPACER (350-2188-09-07-00)	71279		1
	C6801	1506-0030-017	CAPACITOR 3.3 pF, 100 V (RPE110C0G3R3C100V)	72982		1
	C6802	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C6803	1506-0020-017	CAPACITOR 2.2 pF, 100 V (RPE110C0G2R2C100V)	72982		1
	C6804	1507-0335-018	CAPACITOR 3.3 µF, 35 V (T322C335M035AS)	31433		1
	C6805	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	L6801	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	Q6801	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q6802	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	R6801	4701-0820-003	RESISTOR 5%, 1/8 W, 82 Ω (RLR05C820JR)	81349		1
	R6802	4701-0820-003	RESISTOR 5%, 1/8 W, 82 Ω (RLR05C820JR)	81349		1
	R6803	4701-0820-003	RESISTOR 5%, 1/8 W, 82 Ω (RLR05C820JR)	81349		1
	R6804	4701-0333-003	RESISTOR 5%, 1/8 W, 33 K (RLR05C333JR)	81349		1
	R6805	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R6806	4701-0150-003@	RESISTOR 5%, 1/8 W, 15 Ω (RLR05C150JR)	81349		1
	R6807	4701-0153-003	RESISTOR 5%, 1/8 W, 15 K (RLR05C153JR)	81349		1
	R6808	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
		SEE FIG 1	WIRE, BUS 22 GA			A/R
6		3107-5057-200	INSULATOR			1
7		1414-5057-100	PLATE, BASE			1

NOTE: * FOR TRACKING PURPOSES, SUFFIX ALL REFERENCE DESIGNATORS WITH "B" (e.g. R6801 IS R6801B)

@ SELECTED AT TEST (SAT)
NOMINAL VALUE = 15 Ω
SELECT RANGE = 10 Ω THRU 56 Ω

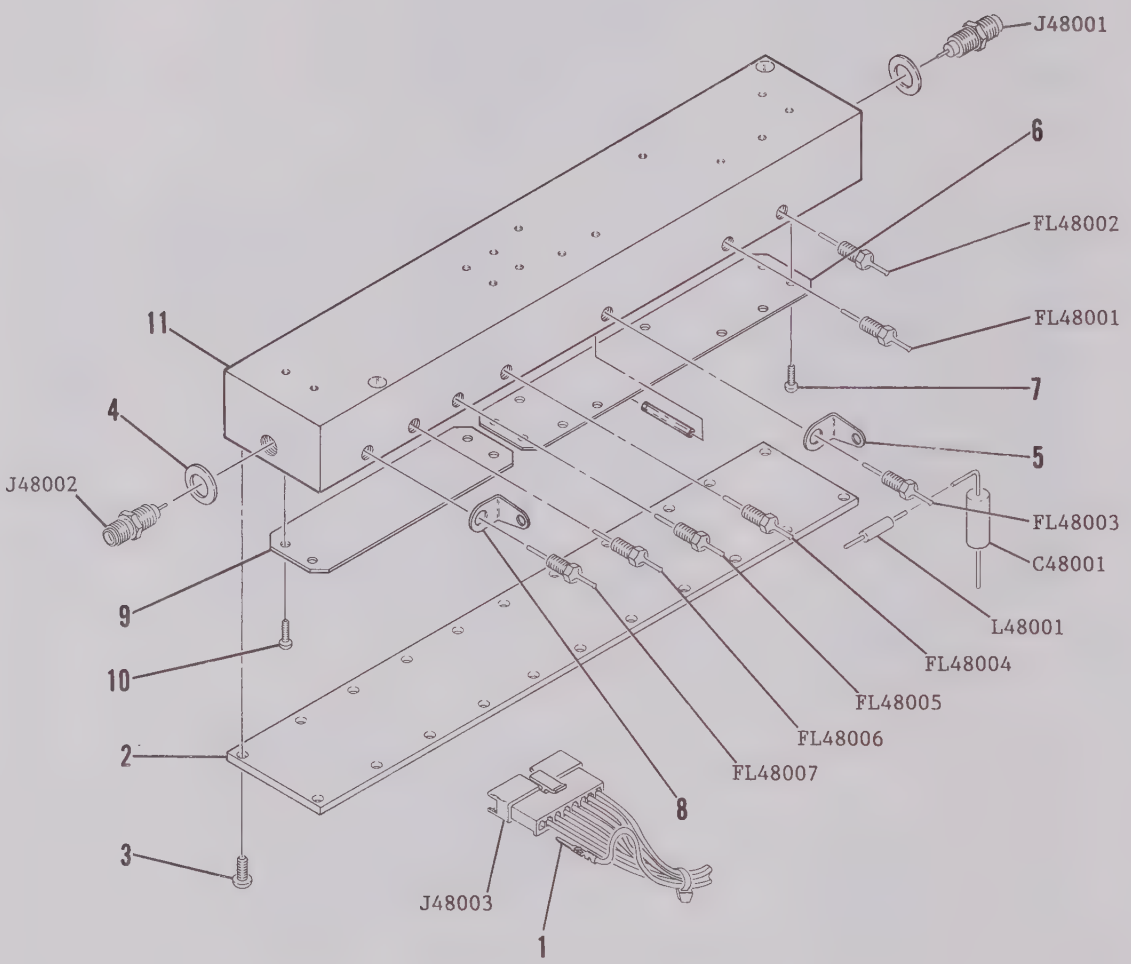


FIGURE 56 OUTPUT ATTENUATOR ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
56 -		7005-5340-201	OUTPUT ATTENUATOR ASSEMBLY SEE FIG 53 FOR NHA			REF
	J48003	2115-9001-008	CONNECTOR, LOCKING (SMR08VB)	UNK020		1
1		2114-9001-001	CONTACT, CONN 22 - 26 GA (SYM001T0.6)	UNK020		8
	C48001	1502-0105-007	CAPACITOR 1 µF, 50 V (MPC13-1-50-5)	27735		1
	L48001	1801-0102-001	INDUCTOR 1 mH (1025-92)	99800		1
2		1414-5357-800	COVER, ENCLOSURE			1
			ATTACHING PARTS			
3		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		20
			---*---			
	J48001	2123-0000-030	CONNECTOR, SMA (9422-9513-002)	19505		1
	J48002	2123-0000-030	CONNECTOR, SMA (9422-9513-002)	19505		1
			ATTACHING PARTS			
4		2840-7600-208	WASHER, FLAT			1
			---*---			
	FL48001	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL48002	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL48003	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
			ATTACHING PARTS			
5		2850-0000-100	LUG, GND #8 (428-169)	79963		1
			---*---			
6		SEE FIG 47	0/60 dB ATTENUATOR PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
7		2801-0188-006	SCREW (2-56 X 3/16 PPHM)	UNK015		10
			---*---			
	FL48004	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL48005	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL48006	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL48007	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
			ATTACHING PARTS			
8		2850-0000-100	LUG, GND #8 (428-169)	79963		1
			---*---			
9		SEE FIG 57	0/15 dB ATTENUATOR PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
10		2801-0188-006	SCREW (2-56 X 3/16 PPHM)	UNK015		4
			---*---			
11		1415-5357-700	ENCLOSURE, BLOCK			1
		SEE FIG 1	WIRE, 7S 22 GA			A/R
		SEE FIG 1	TUBING, TFL 22 GA, NAT			A/R
		SEE FIG 1	TY-RAP 4.0			A/R

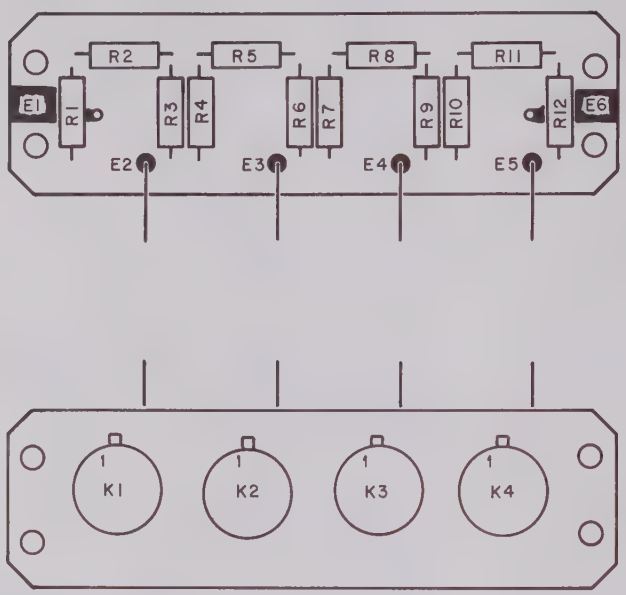


FIGURE 57 0/15 dB ATTENUATOR PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
57 -		7010-5330-200	0/15 dB ATTENUATOR PC BOARD ASSEMBLY SEE FIG 56 FOR NHA			REF
	K49001	4501-0000-011	RELAY 12 VDC, 1 A (CSW12)	02289		1
	K49002	4501-0000-011	RELAY 12 VDC, 1 A (CSW12)	02289		1
	K49003	4501-0000-011	RELAY 12 VDC, 1 A (CSW12)	02289		1
	K49004	4501-0000-011	RELAY 12 VDC, 1 A (CSW12)	02289		1
	R49001	4702-0821-003	RESISTOR 5%, 1/4 W, 820 Ω (RLR07C821JR)	81349		1
	R49002	4702-0569-003	RESISTOR 5%, 1/4 W, 5.6 Ω (RLR07C5R6JR)	81349		1
	R49003	4702-0821-003	RESISTOR 5%, 1/4 W, 820 Ω (RLR07C821JR)	81349		1
	R49004	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R49005	4702-0120-003	RESISTOR 5%, 1/4 W, 12 Ω (RLR07C120JR)	81349		1
	R49006	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R49007	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R49008	4702-0220-003	RESISTOR 5%, 1/4 W, 22 Ω (RLR07C220JR)	81349		1
	R49009	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R49010	4702-0121-003	RESISTOR 5%, 1/4 W, 120 Ω (RLR07C121JR)	81349		1
	R49011	4702-0510-002	RESISTOR 5%, 1/4 W, 51 Ω (RLR07C510JR)	81349		1
	R49012	4702-0121-003	RESISTOR 5%, 1/4 W, 120 Ω (RLR07C121JR)	81349		1
		SEE FIG 1	WIRE, BUS 22 GA			A/R

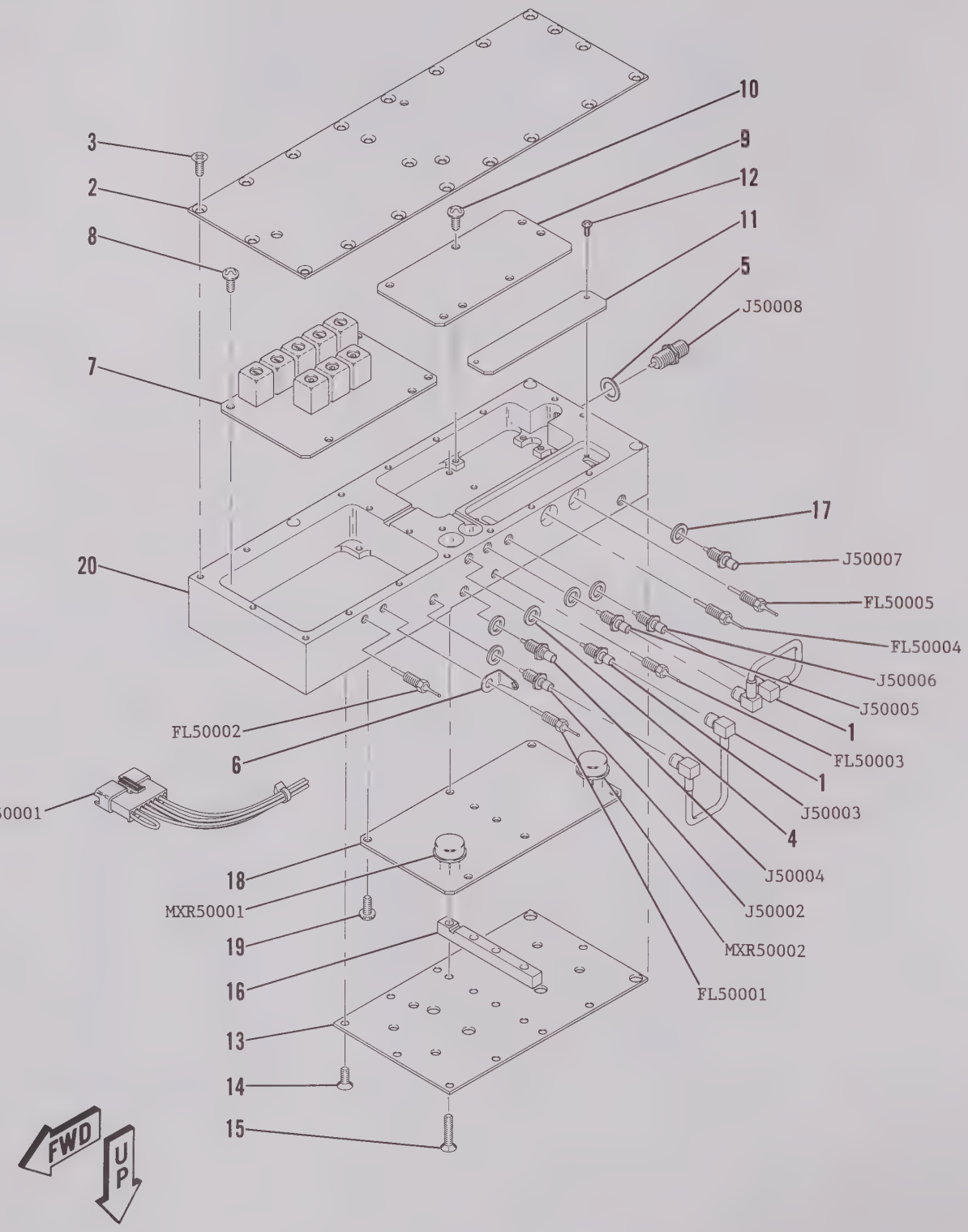


FIGURE 58 GENERATOR ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
58 -		7005-5341-000	GENERATOR ASSEMBLY SEE FIG 53 FOR NHA			REF
	J50001	2115-9001-008	CONNECTOR, LOCKING (SMR08VB)	UNK020		1
		2114-9001-001	CONTACT, CONN 22 - 26 GA (SYM001T0.6)	UNK020		1
1		6050-0040-250	CABLE ASSY, COAX FLEX			2
2		1414-5363-100	COVER, ENCLOSURE			1
			ATTACHING PARTS			
3		2803-0188-003	SCREW (4-40 X 3/16 PFHM)	UNK015		19
			---*---			
	J50003	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
	J50005	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
	J50006	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
			ATTACHING PARTS			
4		2840-7600-229	WASHER, FLAT			1
			---*---			
	J50008	2123-0000-030	CONNECTOR, SMA (9422-9513-002)	19505		1
			ATTACHING PARTS			
5		2840-7600-208	WASHER, FLAT			1
			---*---			
	FL50001	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL50002	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
			ATTACHING PARTS			
6		2850-0000-100	LUG, GND #8 (428-169)	79963		1
			---*---			
	FL50004	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL50005	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
7		SEE FIG 59	GENERATE SOURCE PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
8		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		5
			---*---			
9		SEE FIG 60	GENERATE AMP PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
10		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		7
			---*---			
11		1700-5122-200	1000 MHz LOW PASS FILTER			1
			ATTACHING PARTS			
12		2801-0188-006	SCREW (2-56 X 3/16 PPHM)	UNK015		2
			---*---			
13		1414-5353-500	COVER, ENCLOSURE			1
			ATTACHING PARTS			
14		2803-0188-003	SCREW (4-40 X 3/16 PFHM)	UNK015		10
15		2803-0438-003	SCREW (4-40 X 7/16 PFHM)	UNK015		4
			---*---			
16		2100-5359-400	BLOCK, SHIELD			1
	J50002	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
	J50004	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
	J50007	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
			ATTACHING PARTS			
17		2840-7600-229	WASHER, FLAT			1
			---*---			
	FL50003	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
18		SEE FIG 61	1300 MHz GENERATE IF PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
19		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		4
			---*---			
	MXR50001	5250-0804-301	MIXER 700 - 1500 MHz (M43T1)	59277		1
	MXR50002	5250-0806-300	MIXER 1 - 2 GHz (M63T)	59277		1
20		1415-5363-200	ENCLOSURE, BLOCK			1
		SEE FIG 1	WIRE, 7S 22 GA			A/R
		SEE FIG 1	WIRE, BUS 22 GA			A/R
		SEE FIG 1	TUBING, TFL 20 GA, NAT			A/R
		SEE FIG 1	TUBING, TFL 22 GA, NAT			A/R
		SEE FIG 1	TUBING, HS 1/16, BLK			A/R
		SEE FIG 1	TY-RAP 4.0			A/R

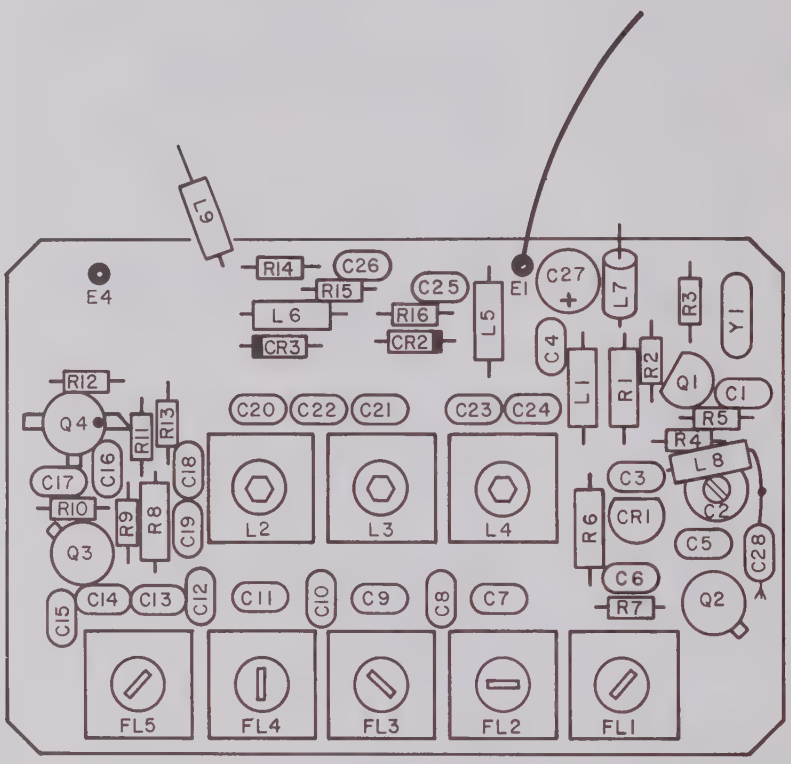


FIGURE 59 GENERATE SOURCE PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
59 -		7010-5331-100	GENERATE SOURCE PC BOARD ASSEMBLY SEE FIG 58 FOR NHA			REF
	C51001	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C51002	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C51003	1506-0680-017	CAPACITOR 68 pF, 200 V (C320C680J2G5CA)	61637		1
	C51004	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C51005	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C51006	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C51007	1506-0159-017	CAPACITOR 1.5 pF, 200 V (C312C159D2G5CA)	61637		1
	C51008	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C51009	1506-0159-017	CAPACITOR 1.5 pF, 200 V (C312C159D2G5CA)	61637		1
	C51010	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C51011	1506-0159-017	CAPACITOR 1.5 pF, 200 V (C312C159D2G5CA)	61637		1
	C51012	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C51013	1506-0159-017	CAPACITOR 1.5 pF, 200 V (C312C159D2G5CA)	61637		1
	C51014	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C51015	1506-0330-017	CAPACITOR 33 pF, 200 V (C320C330J2G5CA)	61637		1
	C51016	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C51017	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C51018	1506-0180-017	CAPACITOR 18 pF, 200 V (C320C180J2G5CA)	61637		1
	C51019	1506-0470-017	CAPACITOR 47 pF, 200 V (C320C470J2G5CA)	61637		1
	C51020	1506-0010-017	CAPACITOR 1 pF, 100 V (RPE110CDG1R0C100V)	72982		1
	C51021	1506-0010-017	CAPACITOR 1 pF, 100 V (RPE110CDG1R0C100V)	72982		1
	C51022	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C51023	1506-0180-017	CAPACITOR 18 pF, 200 V (C320C180J2G5CA)	61637		1
	C51024	1506-0470-017	CAPACITOR 47 pF, 200 V (C320C470J2G5CA)	61637		1
	C51025	1506-0330-017	CAPACITOR 33 pF, 200 V (C320C330J2G5CA)	61637		1
	C51026	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C51027	1580-1000-200	CAPACITOR 10 µF, 25 V (25MS7-10)	52318		1
	C51028	1506-0271-017	CAPACITOR 270 pF, 200 V (C320C271J2G5CA)	61637		1
	CR51001	4930-0100-200	DIODE, VARACTOR (MV209)	04713		1
	CR51002	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR51003	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	FL51001	1800-7624-900	INDUCTOR, VAR .1 µH, 15 pF			1
	FL51002	1800-7624-900	INDUCTOR, VAR .1 µH, 15 pF			1
	FL51003	1800-7624-900	INDUCTOR, VAR .1 µH, 15 pF			1
	FL51004	1800-7624-900	INDUCTOR, VAR .1 µH, 15 pF			1
	FL51005	1800-7624-900	INDUCTOR, VAR .1 µH, 15 pF			1
	L51001	1801-0471-001	INDUCTOR 470 µH (1025-84)	99800		1
	L51002	1808-1290-500	INDUCTOR, VAR .05 µH, 43.5 pF			1
	L51003	1808-1290-500	INDUCTOR, VAR .05 µH, 43.5 pF			1
	L51004	1808-1290-500	INDUCTOR, VAR .05 µH, 43.5 pF			1
	L51005	1801-0109-001	INDUCTOR 1 µH (1025-20)	99800		1
	L51006	1801-0109-001	INDUCTOR 1 µH (1025-20)	99800		1
	L51007	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L51008	1801-0689-001	INDUCTOR 6.8 µH (1025-40)	99800		1
	L51009	1801-0010-001	INDUCTOR 10 µH (1025-44)	99800		1
	Q51001	4807-0000-002	TRANSISTOR (2N3905-18)	27014		1
	Q51002	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q51003	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q51004	4803-0000-004	TRANSISTOR (SRF3114)	04713		1

CONTINUED ON NEXT PAGE

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7	DESCRIPTION	FSCM	EFF	QTY
59 -	R51001	4702-0101-003	RESISTOR	5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R51002	4701-0683-003	RESISTOR	5%, 1/8 W, 68 K (RLR05C683JR)	81349		1
	R51003	4701-0153-003	RESISTOR	5%, 1/8 W, 15 K (RLR05C153JR)	81349		1
	R51004	4701-0222-003	RESISTOR	5%, 1/8 W, 2.2 K (RLR05C222JR)	81349		1
	R51005	4701-0680-003	RESISTOR	5%, 1/8 W, 68 Ω (RLR05C680JR)	81349		1
	R51006	4702-0471-003	RESISTOR	5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R51007	4701-0473-003	RESISTOR	5%, 1/8 W, 47 K (RLR05C473JR)	81349		1
	R51008	4702-0101-003	RESISTOR	5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R51009	4701-0102-003	RESISTOR	5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R51010	4701-0683-003	RESISTOR	5%, 1/8 W, 68 K (RLR05C683JR)	81349		1
	R51011	4701-0102-003	RESISTOR	5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R51012	4701-0683-003	RESISTOR	5%, 1/8 W, 68 K (RLR05C683JR)	81349		1
	R51013	4701-0470-003	RESISTOR	5%, 1/8 W, 47 Ω (RLR05C470JR)	81349		1
	R51014	4701-0471-003	RESISTOR	5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R51015	4701-0152-003	RESISTOR	5%, 1/8 W, 1.5 K (RLR05C152JR)	81349		1
	R51016	4701-0151-003	RESISTOR	5%, 1/8 W, 150 Ω (RLR05C151JR)	81349		1
	Y51001	2363-0108-000	CRYSTAL	18.930000 MHz (63-108)	54962		1
		SEE FIG 1	WIRE, BUS	22 GA			A/R

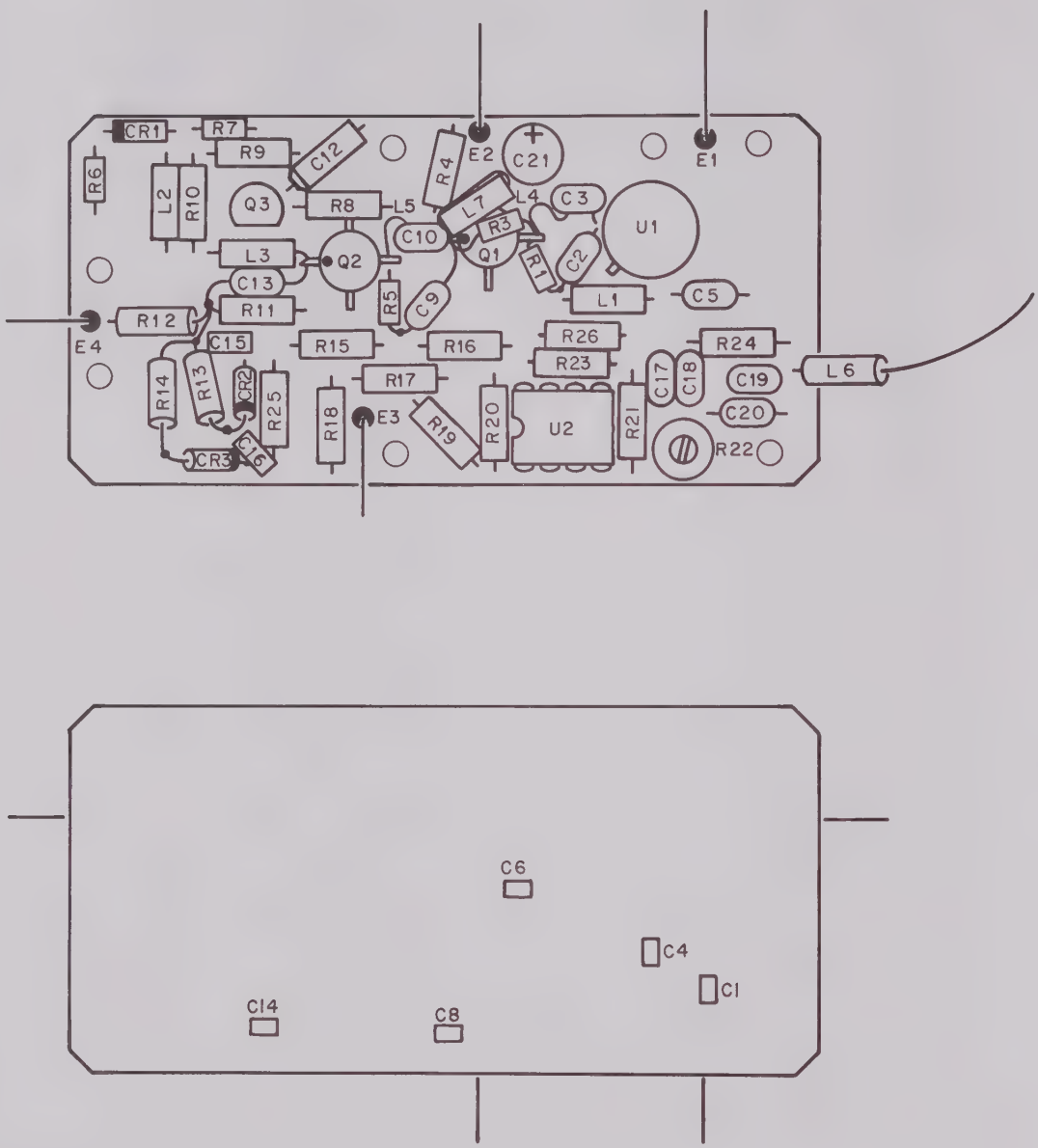


FIGURE 60 GENERATE AMP PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
60 -		7010-5331-000	GENERATE AMP PC BOARD ASSEMBLY SEE FIG 58 FOR NHA			REF
	C54001	1620-8280-500	CAPACITOR .082 µF, 100 V (C1812C823K1GAC)	61637		1
	C54002	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C54003	1506-0020-017	CAPACITOR 2.2 pF, 100 V (RPE110C0G2R2C100V)	72982		1
	C54004	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C54005	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C54006	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C54008	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C54009	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C54010	1506-0020-017	CAPACITOR 2.2 pF, 100 V (RPE110C0G2R2C100V)	72982		1
	C54012	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433		1
	C54013	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C54014	1523-0000-002	CAPACITOR 1800 pF, 50 V (GR40-1X7R182K50V)	72982		1
	C54015	1620-2210-600	CAPACITOR 220 µF, 200 V (CC0805COG221K100LR)	16299		1
	C54016	1620-2210-600	CAPACITOR 220 µF, 200 V (CC0805COG221K100LR)	16299		1
	C54017	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C54018	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C54019	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C54020	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C54021	1580-1000-200	CAPACITOR 10 µF, 25 V (25MS7-10)	52318		1
	CR54001	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR54002	4915-0500-100	DIODE, S-BAR (MA4E282)	96341		1
	CR54003	4915-0500-100	DIODE, S-BAR (MA4E282)	96341		1
	L54001	1801-0010-001	INDUCTOR 10 µH (1025-44)	99800		1
	L54002	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L54003	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800		1
	L54006	1801-0010-001	INDUCTOR 10 µH (1025-44)	99800		1
	L54007	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800		1
	Q54001	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q54002	5010-0203-100	TRANSISTOR (HXTR3101)	54893		1
	Q54003	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	R54001	4701-0392-003	RESISTOR 5%, 1/8 W, 3.9 K (RLR05C392JR)	81349		1
	R54003	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R54004	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R54005	4701-0222-003	RESISTOR 5%, 1/8 W, 2.2 K (RLR05C222JR)	81349		1
	R54006	4701-0472-003	RESISTOR 5%, 1/8 W, 4.7 K (RLR05C472JR)	81349		1
	R54007	4701-0271-003	RESISTOR 5%, 1/8 W, 270 Ω (RLR05C271JR)	81349		1
	R54008	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R54009	4702-0270-003	RESISTOR 5%, 1/4 W, 27 Ω (RLR07C270JR)	81349		1
	R54010	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R54011	4702-0152-003	RESISTOR 5%, 1/4 W, 1.5 K (RLR07C152JR)	81349		1
	R54012	4702-0470-003	RESISTOR 5%, 1/4 W, 47 Ω (RLR07C470JR)	81349		1
	R54013	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R54014	4702-0221-003	RESISTOR 5%, 1/4 W, 220 Ω (RLR07C221JR)	81349		1
	R54015	4702-0394-003	RESISTOR 5%, 1/4 W, 390 K (RLR07C394JR)	81349		1
	R54016	4706-1332-001	RESISTOR 1%, 1/4 W, 13.3 K (RLR07C1332FR)	81349		1
	R54017	4706-5362-001	RESISTOR 1%, 1/4 W, 53.6 K (RLR07C5362FR)	81349		1
	R54018	4702-0394-003	RESISTOR 5%, 1/4 W, 390 K (RLR07C394JR)	81349		1
	R54019	4706-1692-001	RESISTOR 1%, 1/4 W, 16.9 K (RLR07C1692FR)	81349		1
	R54020	4702-0333-003	RESISTOR 5%, 1/4 W, 33 K (RLR07C333JR)	81349		1
	R54021	4702-0104-003	RESISTOR 5%, 1/4 W, 100 K (RLR07C104JR)	81349		1
	R54022	4752-0104-002	RESISTOR, VAR 100 K (62-1-1-104)	02111		1
	R54023	4702-0822-003	RESISTOR 5%, 1/4 W, 8.2 K (RLR07C822JR)	81349		1
	R54024	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R54025	4706-6812-001	RESISTOR 1%, 1/4 W, 68.1 K (RLR07C6812FR)	81349		1
	R54026	4702-0184-003	RESISTOR 5%, 1/4 W, 180 K (RLR07C184JR)	81349		1
	U54001	3222-9106-200	IC, CASCADABLE AMP (GPD1062)	24539		1
	U54002	3221-0006-000	IC, DUAL LOW NOISE OP AMP (NE5532N PLASTIC)	18324		1
		SEE FIG 1	WIRE, BUS 22 GA			A/R

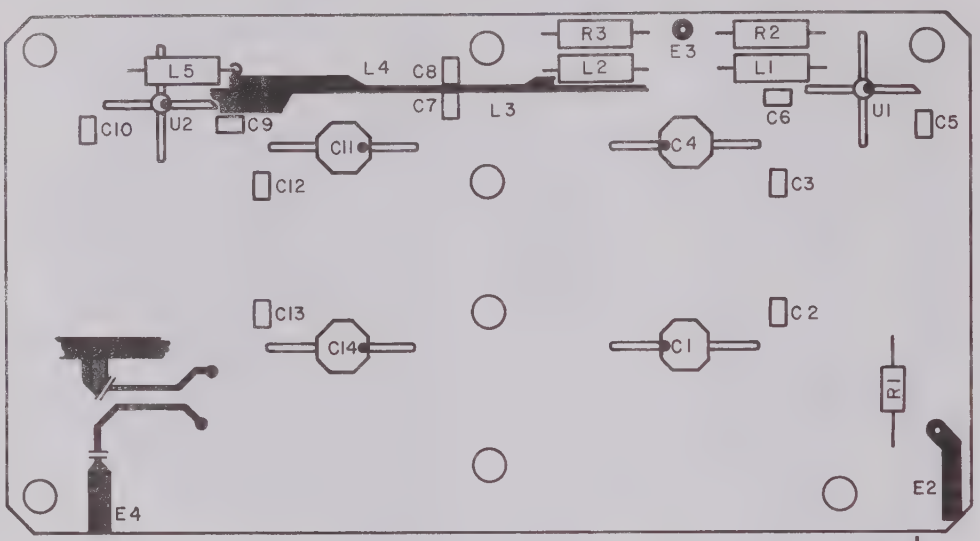


FIGURE 61 1300 MHz GENERATE IF PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
61 -		7010-5336-000	1300 MHz GENERATE IF PC BOARD ASSEMBLY SEE FIG 58 FOR NHA			REF
	C53001	1550-0100-510	CAPACITOR, VAR 1 - 4.5 pF, (9410-0)	29454		1
	C53002	1523-0000-006	CAPACITOR .4 pF, 50 V (500A12QOR4BB4)	29454		1
	C53003	1523-0000-006	CAPACITOR .4 pF, 50 V (500A12QOR4BB4)	29454		1
	C53004	1550-0100-510	CAPACITOR, VAR 1 - 4.5 pF, (9410-0)	29454		1
	C53005	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40COG220K50V)	72982		1
	C53006	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40COG220K50V)	72982		1
	C53007	1620-1690-511	CAPACITOR 1.6 pF, 100 V (C0805C169D2GAC)	61637		1
	C53008	1620-1690-511	CAPACITOR 1.6 pF, 100 V (C0805C169D2GAC)	61637		1
	C53009	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40COG220K50V)	72982		1
	C53010	1620-2200-500	CAPACITOR 22 pF, 100 V (GRM40COG220K50V)	72982		1
	C53011	1550-0100-510	CAPACITOR, VAR 1 - 4.5 pF, (9410-0)	29454		1
	C53012	1523-0000-006	CAPACITOR .4 pF, 50 V (500A12QOR4BB4)	29454		1
	C53013	1523-0000-006	CAPACITOR .4 pF, 50 V (500A12QOR4BB4)	29454		1
	C53014	1550-0100-510	CAPACITOR, VAR 1 - 4.5 pF, (9410-0)	29454		1
	L53001	1801-0338-001	INDUCTOR .33 µH (1025-08)	99800		1
	L53002	1801-0338-001	INDUCTOR .33 µH (1025-08)	99800		1
	L53005	1801-0338-001	INDUCTOR .33 µH (1025-08)	99800		1
	R53001	4701-0220-003	RESISTOR 5%, 1/8 W, 22 Ω (RLR05C220JR)	81349		1
	R53002	4702-0151-003	RESISTOR 5%, 1/4 W, 150 Ω (RLR07C151JR)	81349		1
	R53003	4702-0151-003	RESISTOR 5%, 1/4 W, 150 Ω (RLR07C151JR)	81349		1
	U53001	5050-2501-100	IC, ML SI AMP (MSA-0335-22)	24539		1
	U53002	5050-2501-100	IC, ML SI AMP (MSA-0335-22)	24539		1
		SEE FIG 1	WIRE, BUS 22 GA			A/R

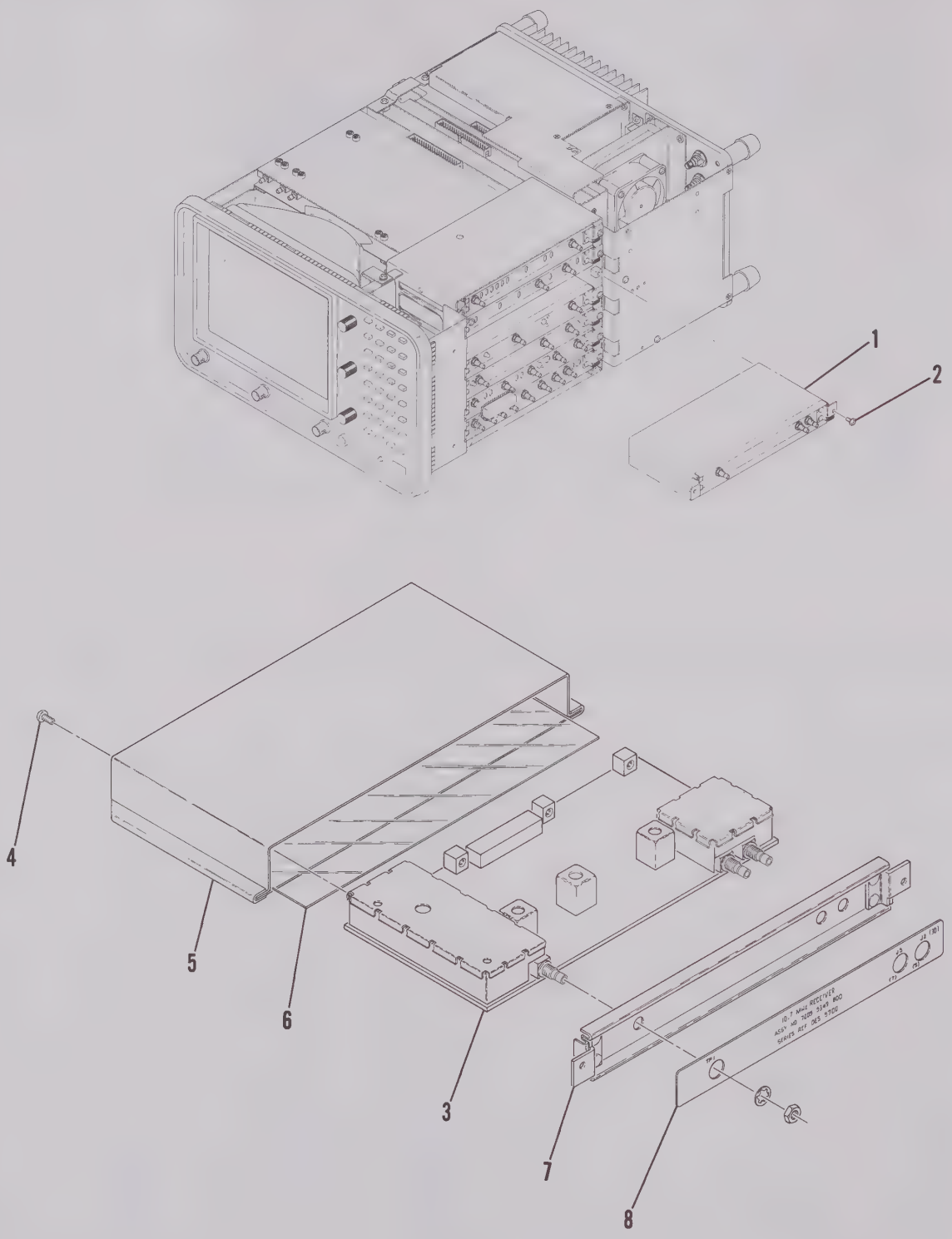


FIGURE 62 10.7 MHz RECEIVER INSTALLATION

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
62 -			10.7 MHz RECEIVER INSTALLATION SEE FIG 8 FOR NHA			NP
	TAG7	6050-0040-250	CABLE ASSY, COAX FLEX			1
1		7005-5349-800	10.7 MHz RECEIVER ASSEMBLY			1
			ATTACHING PARTS			
2		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		2
			---*---			
3		SEE FIG 63	10.7 MHz RECEIVER PC BOARD ASSEMBLY INCL MTG HARDWARE			1
			ATTACHING PARTS			
4		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		4
			---*---			
5		1415-5380-800	ENCLOSURE ASSY, CAN			1
6		3107-5252-800	INSULATOR			1
7		1414-5380-300	COVER ASSY, ENCLOSURE			1
8		2400-5369-100	LABEL, IDENT			1

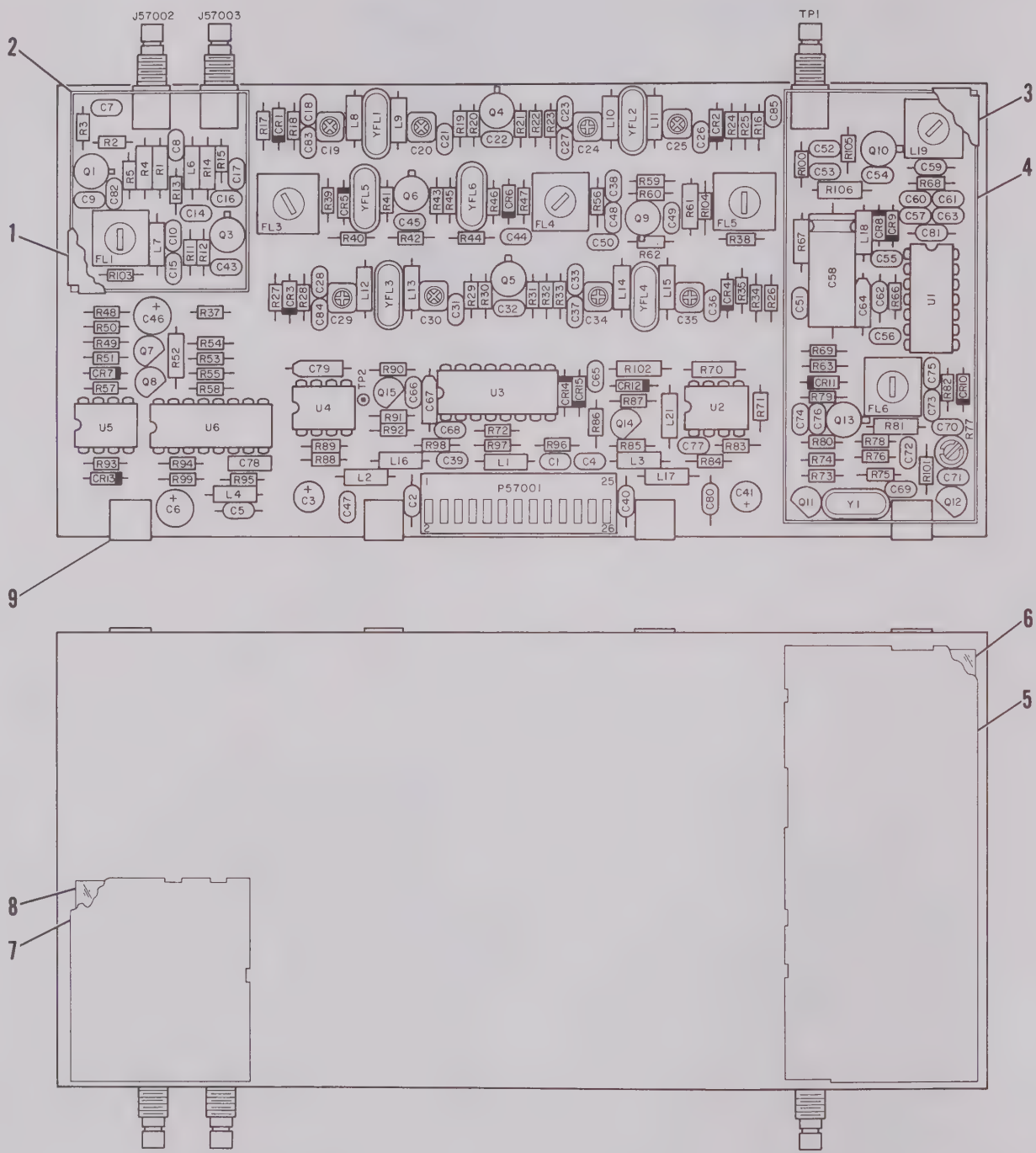


FIGURE 63 10.7 MHz RECEIVER PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
63 -		7010-5339-800	10.7 MHz RECEIVER PC BOARD ASSEMBLY SEE FIG 62 FOR NHA			REF
1		1414-5369-600	COVER, SHIELD			1
2		2508-5369-500	SHIELD, PC BD			1
3		1414-5361-701	COVER, SHIELD			1
4		2508-5361-601	SHIELD, PC BD			1
5		2508-5369-900	SHIELD, PC BD			1
6		3107-5362-100	INSULATOR			1
7		2508-5369-700	SHIELD, PC BD			1
8		3107-5369-800	INSULATOR			1
9		2100-0000-100	NUT, SWAGE 4-40 (2040B)	83330		4
	J57002	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	J57003	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	C58001	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58002	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C58003	1580-1000-200	CAPACITOR 10 µF, 25 V (25MS7-10)	52318		1
	C58004	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58005	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C58006	1580-4702-105	CAPACITOR 47 µF, 10 V (CLE4.7MF10V)	62462		1
	C58007	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C58008	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58009	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C58010	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C58014	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58015	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58016	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C58017	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58018	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C58019	1521-0000-012	CAPACITOR, VAR 6 - 20 pF, 50 V (CTC6U010)	59096		1
	C58020	1521-0000-012	CAPACITOR, VAR 6 - 20 pF, 50 V (CTC6U010)	59096		1
	C58021	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C58022	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C58023	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C58024	1521-0000-012	CAPACITOR, VAR 6 - 20 pF, 50 V (CTC6U010)	59096		1
	C58025	1521-0000-012	CAPACITOR, VAR 6 - 20 pF, 50 V (CTC6U010)	59096		1
	C58026	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C58027	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58028	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C58029	1521-0000-012	CAPACITOR, VAR 6 - 20 pF, 50 V (CTC6U010)	59096		1
	C58030	1521-0000-012	CAPACITOR, VAR 6 - 20 pF, 50 V (CTC6U010)	59096		1
	C58031	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C58032	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C58033	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C58034	1521-0000-012	CAPACITOR, VAR 6 - 20 pF, 50 V (CTC6U010)	59096		1
	C58035	1521-0000-012	CAPACITOR, VAR 6 - 20 pF, 50 V (CTC6U010)	59096		1
	C58036	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C58037	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58038	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C58039	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58040	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C58041	1580-1000-200	CAPACITOR 10 µF, 25 V (25MS7-10)	52318		1
	C58043	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58044	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58045	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C58046	1580-4702-105	CAPACITOR 47 µF, 10 V (CLE4.7MF10V)	62462		1
	C58047	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C58048	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58049	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58050	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58051	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
63 -	C58052	1506-0471-017	CAPACITOR 470 pF, 200 V (C320C471J2G5CA)	61637		1
	C58053	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58054	1506-0471-017	CAPACITOR 470 pF, 200 V (C320C471J2G5CA)	61637		1
	C58055	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58056	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58057	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58058	1580-3310-150	CAPACITOR 330 µF, 16 V (16TT330MS)	52318		1
	C58059	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C58060	1506-0470-017	CAPACITOR 47 pF, 200 V (C320C470J2G5CA)	61637		1
	C58061	1506-0050-017	CAPACITOR 5.5 pF, 100 V (RPE110C0G5R5C100V)	72982		1
	C58062	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C58063	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C58064	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433		1
	C58065	1506-0471-017	CAPACITOR 470 pF, 200 V (C320C471J2G5CA)	61637		1
	C58066	1506-0471-017	CAPACITOR 470 pF, 200 V (C320C471J2G5CA)	61637		1
	C58067	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433		1
	C58068	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58069	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C58070	1506-0470-017	CAPACITOR 47 pF, 200 V (C320C470J2G5CA)	61637		1
	C58071	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C58072	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C58073	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58074	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58075	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58076	1506-0470-017	CAPACITOR 47 pF, 200 V (C320C470J2G5CA)	61637		1
	C58077	1506-0101-017	CAPACITOR 100 pF, 200 V (C320C101J2G5CA)	61637		1
	C58078	1642-1040-400	CAPACITOR .1 µF, 63 V (MKT1817-410-06-5)	UNK014		1
	C58079	1507-0105-018	CAPACITOR 1 µF, 35 V (T322B105M035AS)	31433		1
	C58080	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C58081	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C58082	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C58083	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58084	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C58085	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	CR58001	4815-0000-003*	DIODE, SIGNAL (1N4148)	71468		1
	CR58002	4815-0000-003*	DIODE, SIGNAL (1N4148)	71468		1
	CR58003	4815-0000-003*	DIODE, SIGNAL (1N4148)	71468		1
	CR58004	4815-0000-003*	DIODE, SIGNAL (1N4148)	71468		1
	CR58005	4815-0000-003*	DIODE, SIGNAL (1N4148)	71468		1
	CR58006	4815-0000-003*	DIODE, SIGNAL (1N4148)	71468		1
	CR58007	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR58008	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR58009	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR58010	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR58011	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR58012	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR58013	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR58014	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	CR58015	4816-0000-001	DIODE, S-BAR (5082-2800)	54893		1
	FL58001	1800-7625-100	INDUCTOR 4.25 µH, 10.7 MHz			1
	FL58003	1800-7625-100	INDUCTOR 4.25 µH, 10.7 MHz			1
	FL58004	1800-7625-100	INDUCTOR 4.25 µH, 10.7 MHz			1
	FL58005	1800-7625-100	INDUCTOR 4.25 µH, 10.7 MHz			1
	FL58006	1800-7625-100	INDUCTOR 4.25 µH, 10.7 MHz			1
	L58001	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L58002	1801-0108-001	INDUCTOR .1 µH (1025-94)	99800		1
	L58003	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L58004	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L58006	1801-0471-001	INDUCTOR 470 µH (1025-84)	99800		1
	L58007	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L58008	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L58009	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
63 -	L58010	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L58011	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L58012	1801-0015-001	INDUCTOR 15 µH (1025-48)	99800		1
	L58013	1801-0015-001	INDUCTOR 15 µH (1025-48)	99800		1
	L58014	1801-0015-001	INDUCTOR 15 µH (1025-48)	99800		1
	L58015	1801-0015-001	INDUCTOR 15 µH (1025-48)	99800		1
	L58016	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L58017	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L58018	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L58019	1808-1300-100	INDUCTOR, VAR 2.9 - 3.9 µH (SLOT 10 3-05)	02113		1
	L58021	1801-0471-001	INDUCTOR 470 µH (1025-84)	99800		1
	P57001	2129-0186-226	CONNECTOR, HEADER (15-29-5026)	27264		1
	Q58001	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q58003	4813-0000-001	TRANSISTOR (3N201)	04713		1
	Q58004	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q58005	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q58006	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q58007	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q58008	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q58009	4813-0000-001	TRANSISTOR (3N201)	04713		1
	Q58010	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q58011	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q58012	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q58013	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q58014	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	Q58015	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	R58001	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R58002	4701-0332-003	RESISTOR 5%, 1/8 W, 3.3 K (RLR05C332JR)	81349		1
	R58003	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R58004	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R58005	4701-0683-003	RESISTOR 5%, 1/8 W, 68 K (RLR05C683JR)	81349		1
	R58011	4701-0473-003	RESISTOR 5%, 1/8 W, 47 K (RLR05C473JR)	81349		1
	R58012	4701-0153-003	RESISTOR 5%, 1/8 W, 15 K (RLR05C153JR)	81349		1
	R58013	4701-0562-003	RESISTOR 5%, 1/8 W, 5.6 K (RLR05C562JR)	81349		1
	R58014	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R58015	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R58016	4701-0104-003	RESISTOR 5%, 1/8 W, 100 K (RLR05C104JR)	81349		1
	R58017	4701-0122-003	RESISTOR 5%, 1/8 W, 1.2 K (RLR05C122JR)	81349		1
	R58018	4701-0103-003*	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58019	4701-0182-003	RESISTOR 5%, 1/8 W, 1.8 K (RLR05C182JR)	81349		1
	R58020	4701-0153-003	RESISTOR 5%, 1/8 W, 15 K (RLR05C153JR)	81349		1
	R58021	4701-0683-003	RESISTOR 5%, 1/8 W, 68 K (RLR05C683JR)	81349		1
	R58022	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R58023	4701-0182-003	RESISTOR 5%, 1/8 W, 1.8 K (RLR05C182JR)	81349		1
	R58024	4701-0103-003*	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58025	4701-0122-003	RESISTOR 5%, 1/8 W, 1.2 K (RLR05C122JR)	81349		1
	R58026	4701-0104-003	RESISTOR 5%, 1/8 W, 100 K (RLR05C104JR)	81349		1
	R58027	4701-0272-003	RESISTOR 5%, 1/8 W, 2.7 K (RLR05C272JR)	81349		1
	R58028	4701-0183-003	RESISTOR 5%, 1/8 W, 18 K (RLR05C183JR)	81349		1
	R58029	4701-0392-003	RESISTOR 5%, 1/8 W, 3.9 K (RLR05C392JR)	81349		1
	R58030	4701-0183-003	RESISTOR 5%, 1/8 W, 18 K (RLR05C183JR)	81349		1
	R58031	4701-0563-003	RESISTOR 5%, 1/8 W, 56 K (RLR05C563JR)	81349		1
	R58032	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R58033	4701-0392-003	RESISTOR 5%, 1/8 W, 3.9 K (RLR05C392JR)	81349		1
	R58034	4701-0103-003*	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58035	4701-0272-003	RESISTOR 5%, 1/8 W, 2.7 K (RLR05C272JR)	81349		1
	R58037	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58038	4701-0104-003	RESISTOR 5%, 1/8 W, 100 K (RLR05C104JR)	81349		1
	R58039	4701-0221-003	RESISTOR 5%, 1/8 W, 220 Ω (RLR05C221JR)	81349		1
	R58040	4701-0103-003*	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58041	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R58042	4701-0472-003	RESISTOR 5%, 1/8 W, 4.7 K (RLR05C472JR)	81349		1

CONTINUED ON NEXT PAGE

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
63 -	R58043	4701-0683-003	RESISTOR 5%, 1/8 W, 68 K (RLR05C683JR)	81349		1
	R58044	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R58045	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R58046	4701-0103-003*	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58047	4701-0221-003	RESISTOR 5%, 1/8 W, 220 Ω (RLR05C221JR)	81349		1
	R58048	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R58049	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R58050	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R58051	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R58052	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R58053	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R58054	4701-0123-003	RESISTOR 5%, 1/8 W, 12 K (RLR05C123JR)	81349		1
	R58055	4701-0472-003	RESISTOR 5%, 1/8 W, 4.7 K (RLR05C472JR)	81349		1
	R58056	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58057	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58058	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1
	R58059	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58060	4701-0473-003	RESISTOR 5%, 1/8 W, 47 K (RLR05C473JR)	81349		1
	R58061	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R58062	4701-0331-003	RESISTOR 5%, 1/8 W, 330 Ω (RLR05C331JR)	81349		1
	R58063	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R58066	4701-0680-003	RESISTOR 5%, 1/8 W, 68 Ω (RLR05C680JR)	81349		1
	R58067	4702-0820-003	RESISTOR 5%, 1/4 W, 82 Ω (RLR07C820JR)	81349		1
	R58068	4701-0123-003	RESISTOR 5%, 1/8 W, 12 K (RLR05C123JR)	81349		1
	R58069	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58070	4706-5232-001	RESISTOR 1%, 1/4 W, 52.3 K (RLR075232FR)	81349		1
	R58071	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58072	4701-0473-003	RESISTOR 5%, 1/8 W, 47 K (RLR05C473JR)	81349		1
	R58073	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58074	4701-0333-003	RESISTOR 5%, 1/8 W, 33 K (RLR05C333JR)	81349		1
	R58075	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R58076	4701-0332-003	RESISTOR 5%, 1/8 W, 3.3 K (RLR05C332JR)	81349		1
	R58077	4752-0102-002	RESISTOR, VAR 1 K (62-1-1-102)	02111		1
	R58078	4701-0183-003	RESISTOR 5%, 1/8 W, 18 K (RLR05C183JR)	81349		1
	R58079	4701-0682-003	RESISTOR 5%, 1/8 W, 6.8 K (RLR05C682JR)	81349		1
	R58080	4701-0473-003	RESISTOR 5%, 1/8 W, 47 K (RLR05C473JR)	81349		1
	R58081	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R58082	4701-0473-003	RESISTOR 5%, 1/8 W, 47 K (RLR05C473JR)	81349		1
	R58083	4701-0104-003	RESISTOR 5%, 1/8 W, 100 K (RLR05C104JR)	81349		1
	R58084	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58085	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58086	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R58087	4701-0473-003	RESISTOR 5%, 1/8 W, 47 K (RLR05C473JR)	81349		1
	R58088	4701-0104-003	RESISTOR 5%, 1/8 W, 100 K (RLR05C104JR)	81349		1
	R58089	4701-0105-003	RESISTOR 5%, 1/8 W, 1 M (RLR05C105JR)	81349		1
	R58090	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58091	4701-0103-003	RESISTOR 5%, 1/8 W, 10 K (RLR05C103JR)	81349		1
	R58092	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R58093	4701-0104-003	RESISTOR 5%, 1/8 W, 100 K (RLR05C104JR)	81349		1
	R58094	4701-0684-003	RESISTOR 5%, 1/8 W, 680 K (RLR05C684JR)	81349		1
	R58095	4701-0472-003	RESISTOR 5%, 1/8 W, 4.7 K (RLR05C472JR)	81349		1
	R58096	4701-0224-003	RESISTOR 5%, 1/8 W, 220 K (RLR05C224JR)	81349		1
	R58097	4701-0333-003	RESISTOR 5%, 1/8 W, 33 K (RLR05C333JR)	81349		1
	R58098	4701-0683-003	RESISTOR 5%, 1/8 W, 68 K (RLR05C683JR)	81349		1
	R58099	4701-0682-003	RESISTOR 5%, 1/8 W, 6.8 K (RLR05C682JR)	81349		1
	R58100	4701-0471-003	RESISTOR 5%, 1/8 W, 470 Ω (RLR05C471JR)	81349		1
	R58101	4701-0101-003	RESISTOR 5%, 1/8 W, 100 Ω (RLR05C101JR)	81349		1
	R58102	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R58103	4701-0223-003	RESISTOR 5%, 1/8 W, 22 K (RLR05C223JR)	81349		1
	R58104	4701-0272-003	RESISTOR 5%, 1/8 W, 2.7 K (RLR05C272JR)	81349		1
	R58105	4701-0683-003	RESISTOR 5%, 1/8 W, 68 K (RLR05C683JR)	81349		1
	R58106	4701-0102-003	RESISTOR 5%, 1/8 W, 1 K (RLR05C102JR)	81349		1

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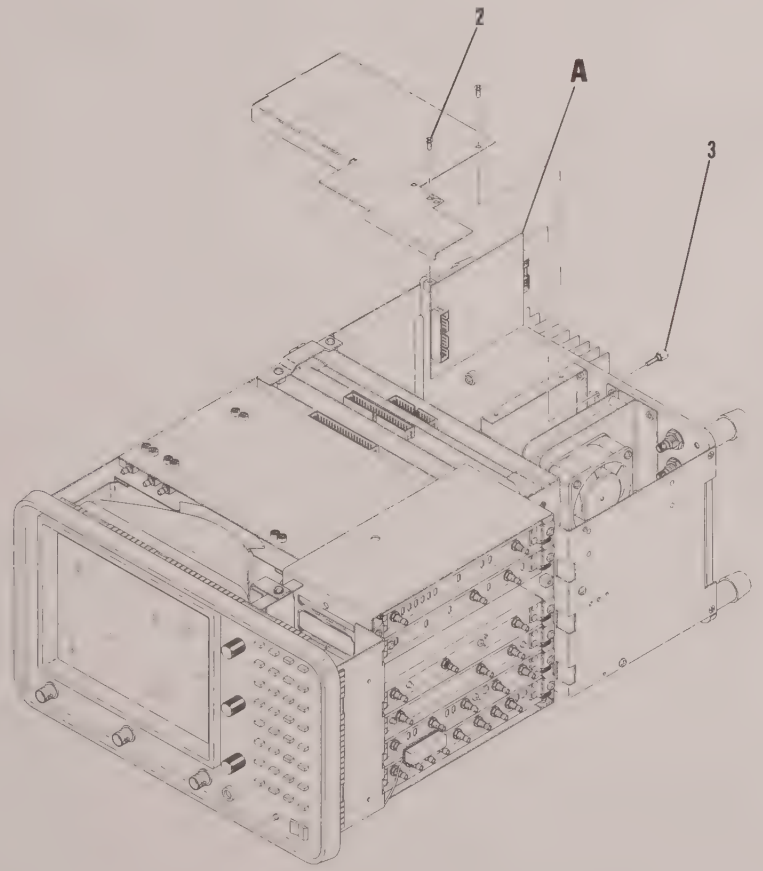
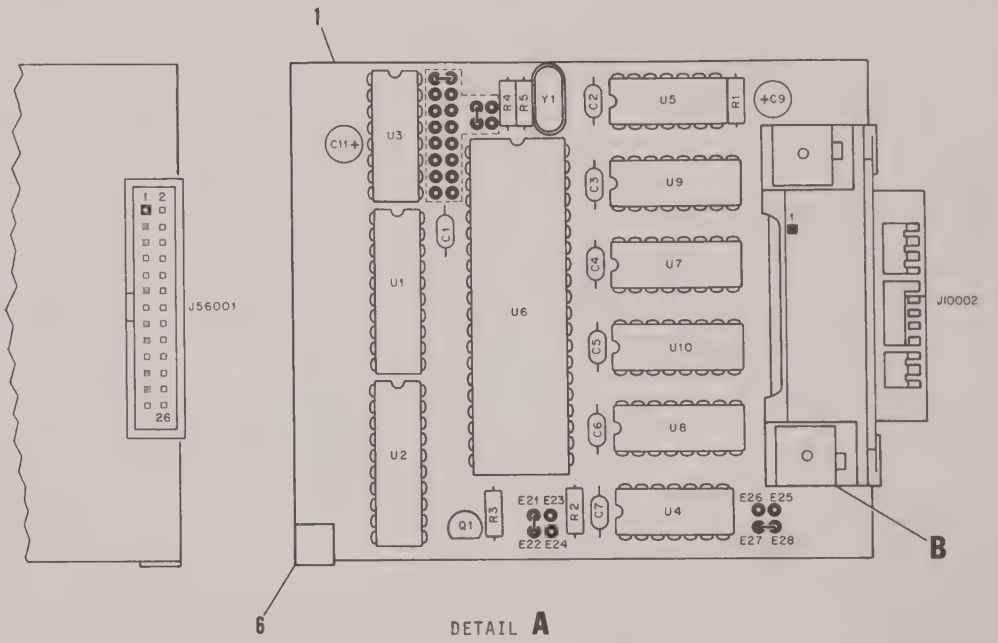
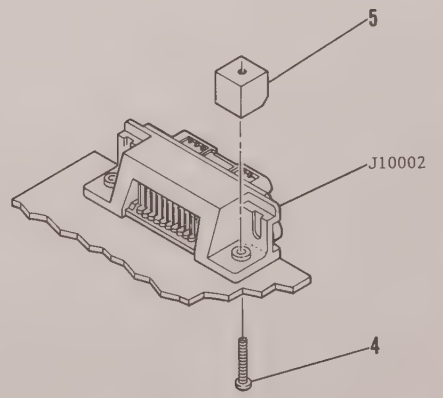
FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
63 -	TP58001	2200-2094-200	CONNECTOR, SMB (2110-7511-000) INCL MTG HARDWARE	19505		1
	TP58002	2114-0000-007	POST, GANG (85931-6)	00779		1
	U58001	3222-4135-700	IC, IF AMP/QDRTR DET (MC1357P)	04713		1
	U58002	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1
	U58003	3133-0000-023	IC, TRI 2-CH MPLXR/DMPLXR (CD4053BE)	02735		1
	U58004	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1
	U58005	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1
	U58006	3133-0000-023	IC, TRI 2-CH MPLXR/DMPLXR (CD4053BE)	02735		1
	Y58001	2363-0105-000	CYRSTAL 10.700000 MHz (63-105)	54962		1
	YFL58001	2302-0107-060	FILTER, CRYSTAL 10.7 MHz, 6 kHz BW			1
	YFL58002	2302-0107-060	FILTER, CRYSTAL 10.7 MHz, 6 kHz BW			1
	YFL58003	2302-0107-150	FILTER, CRYSTAL 10.7 MHz, 15 kHz BW			1
	YFL58004	2302-0107-150	FILTER, CRYSTAL 10.7 MHz, 15 kHz BW			1
	YFL58005	5801-0107-200	FILTER, CERAMIC 10.7 MHz, 230 kHz BW (MS2A)	72982		1
	YFL58006	5801-0107-200	FILTER, CERAMIC 10.7 MHz, 230 kHz BW (MS2A)	72982		1

NOTE: * PRIOR TO SN 2451, WHEN INITIALLY ORDERING CR58001 (MA47047) TO REPLACE A 1N4148, R58018 MUST ALSO BE REPLACED BY A 10 K, 1/8 W RESISTOR. THIS IS ALSO TRUE FOR CR58002 & R58024, CR58003 & R58028, CR58004 & R58034, CR58005 & R58040, CR58006 & R58046.





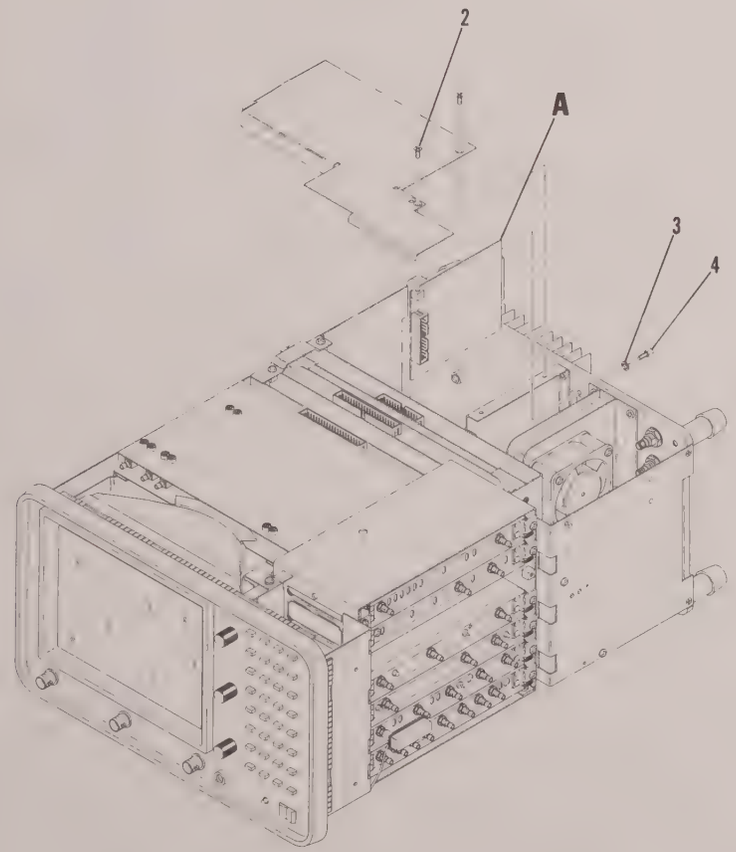
DETAIL **A**



DETAIL **B**

FIGURE 64 GPIB INSTALLATION

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
64 -			GPIB INSTALLATION SEE FIG 8 FOR NHA			REF
		2400-5361-200	LABEL, IDENT			1
1		7010-5332-700	IEEE 488-1978 INTERFACE PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
2		2803-0250-003	SCREW (4-40 X 1/4 PFHM)	UNK015		1
3		2850-1692-600	SCREW, SPECIAL 4-40			2
			---*---			
	J10002	2116-0000-029	CONNECTOR, GPIB (552791-1)	00779		1
			ATTACHING PARTS			
4		2801-0375-006	SCREW (2-56 X 3/8 PPHM)	45684		2
5		2100-1691-700	BLOCK, MTG			2
			---*---			
6		2100-0000-100	NUT, SWAGE 4-40 (2040B)	83330		1
	J56001	2129-1001-026	CONNECTOR, HEADER (3593-6002)	75037		1
	C56001	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C56002	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C56003	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C56004	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C56005	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C56006	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C56007	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C56009	1580-4702-105	CAPACITOR 47 µF, 10 V (CLE4.7MF10V)	62462		1
	C56011	1580-4702-105	CAPACITOR 47 µF, 10 V (CLE4.7MF10V)	62462		1
	Q56001	4801-0000-001	TRANSISTOR (PN2222)	12467		1
	R56001	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R56002	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R56003	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R56004	4702-0182-003	RESISTOR 5%, 1/4 W, 1.8 K (RLR07C182JR)	81349		1
	R56005	4702-0182-003	RESISTOR 5%, 1/4 W, 1.8 K (RLR07C182JR)	81349		1
	U56001	3214-8245-000	IC, OCTAL BUS XCVR (74HCT245)	52648		1
	U56002	3214-8244-000	IC, OCTAL BFR/DRVR/RCVR (MD74HCT244)	52648		1
	U56003	3214-8138-000	IC, DCDR/MPLXR (MD74HCT138)	52648		1
	U56004	3131-0000-044	IC, QUAD 2-INP NAND (SN74LS00N)	01295		1
	U56005	3131-0000-033	IC, HEX INV (SN74LS04N)	01295		1
	U56006	3271-0002-000	IC, GPIB TALKER/LISTENER (P8291A)	34639		1
	U56007	3134-0000-015	IC, QUAD 3-STATE BUS XCVR (MC3448AL)	04713		1
	U56008	3134-0000-015	IC, QUAD 3-STATE BUS XCVR (MC3448AL)	04713		1
	U56009	3134-0000-015	IC, QUAD 3-STATE BUS XCVR (MC3448AL)	04713		1
	U56010	3134-0000-015	IC, QUAD 3-STATE BUS XCVR (MC3448AL)	04713		1
	Y56001	2363-0095-000	CRYSTAL 3.580000 MHz (3.579545 MHz P/NE357)	72982		1
		SEE FIG 1	WIRE, BUS 26 GA			A/R



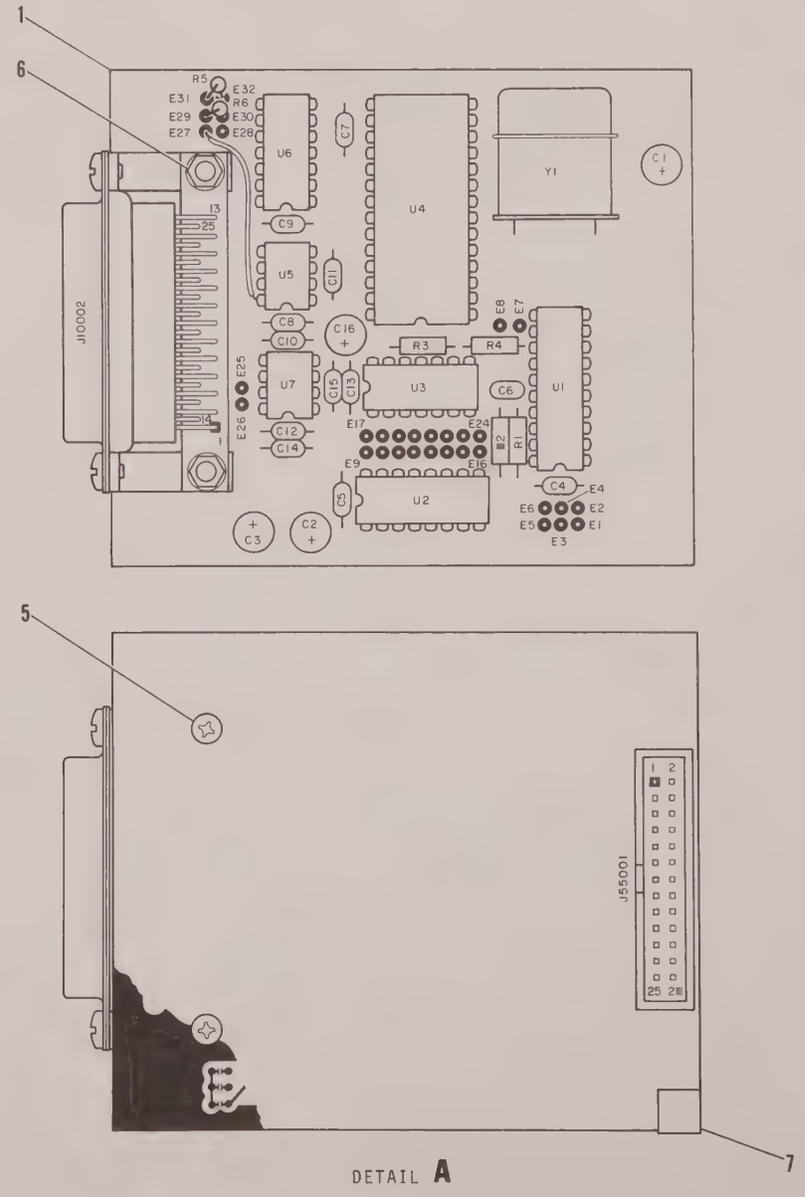
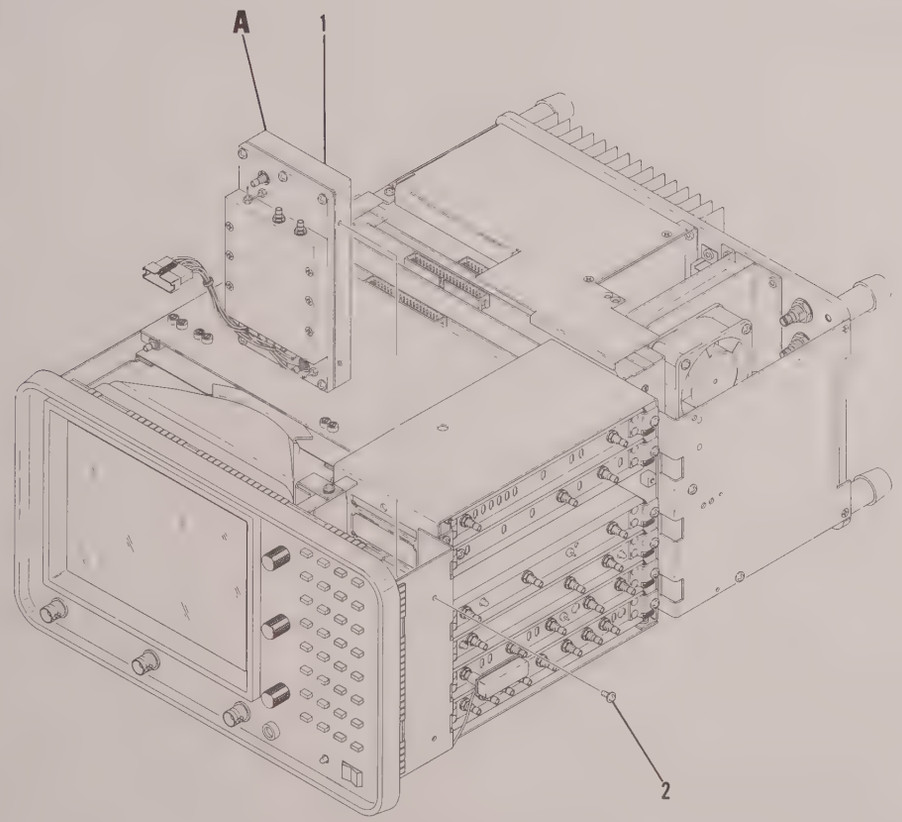
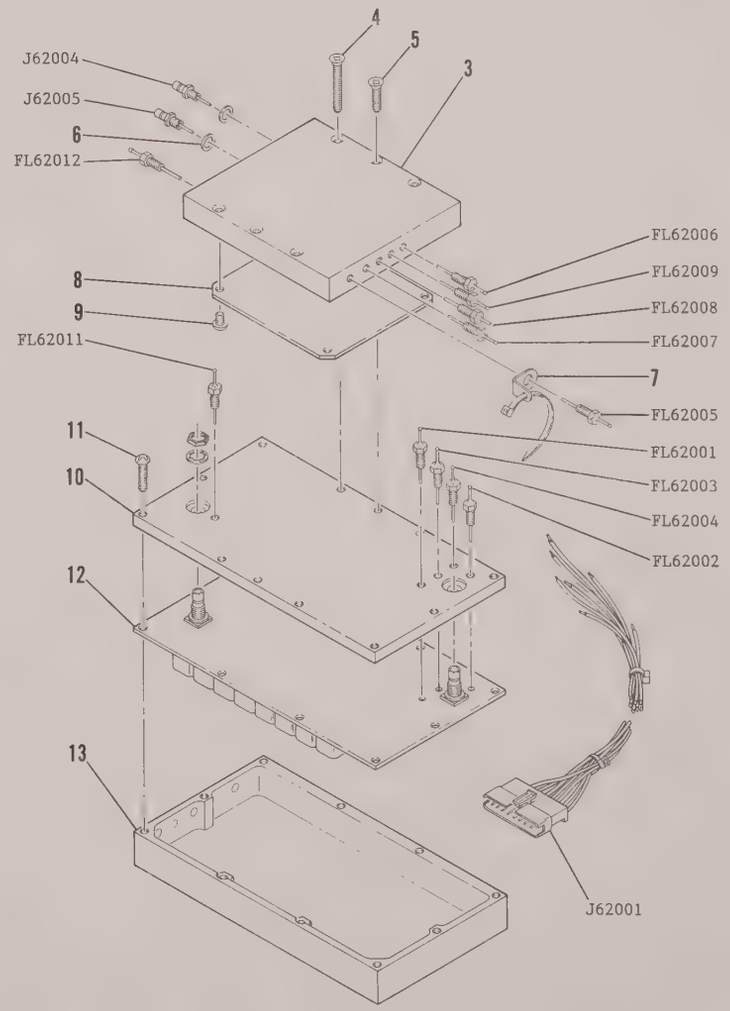


FIGURE 65 RS-232C INSTALLATION

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
65 -			RS-232C INSTALLATION SEE FIG 8 FOR NHA			REF
		2400-5361-100	LABEL, IDENT			2
1		7010-5332-500	RS-232C INTERFACE PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
2		2803-0250-003	SCREW (4-40 X 1/4 PFHM)	UNK015		1
3		2840-0000-003	WASHER, LOCK (#4INT TOOTH LOCKWASH)	UNK015		2
4		2850-7601-301	SCREW, SPECIAL 4-40			2
			---*---			
	J10002	2116-0001-000	CONNECTOR, D-TYPE (205858-2)	00779		1
			ATTACHING PARTS			
5		2803-0313-006	SCREW (4-40 X 5/16 PPHM)	UNK015		2
6		2850-0000-008	NUT (4-40)	UNK016		2
			---*---			
7		2100-0000-100	NUT, SWAGE 4-40 (2040B)	83330		1
	J55001	2129-1001-026	CONNECTOR, HEADER (3593-6002)	75037		1
	C55001	1580-4702-105	CAPACITOR 47 µF, 10 V (CLE4.7MF10V)	62462		1
	C55002	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C55003	1580-4700-220	CAPACITOR 47 µF, 25 V (25TWMS47M)	52318		1
	C55004	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C55005	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C55006	1506-0471-017	CAPACITOR 470 pF, 200 V (C320C471J2G5CA)	61637		1
	C55007	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C55008	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C55009	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C55010	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C55011	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C55012	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C55013	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C55014	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C55015	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C55016	1580-4702-105	CAPACITOR 47 µF, 10 V (CLE4.7MF10V)	62462		1
	R55001	4702-0182-003	RESISTOR 5%, 1/4 W, 1.8 K (RLR07C182JR)	81349		1
	R55002	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R55003	4702-0472-003	RESISTOR 5%, 1/4 W, 4.7 K (RLR07C472JR)	81349		1
	R55004	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R55005	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	R55006	4702-0123-003	RESISTOR 5%, 1/4 W, 12 K (RLR07C123JR)	81349		1
	U55001	3214-8245-000	IC, OCTAL BUS XCVR (74HCT245)	52648		1
	U55002	3214-8138-000	IC, DCDR/MPLXR (MD74HCT138)	52648		1
	U55003	3131-0000-032	IC, QUAD 2-INP NOR (SN74LS02N)	01295		1
	U55004	3271-0655-100	IC, ASYN COMM INTFC ADPTR (R6551AP)	13499		1
	U55005	3250-1001-000	IC, DUAL LINE DRVR (SN75150P)	01295		1
	U55006	3250-2003-000	IC, QUAD LINE RCVR (MC1489AN)	01295		1
	U55007	3250-1001-000	IC, DUAL LINE DRVR (SN75150P)	01295		1
	Y55001	2363-0106-000	CRYSTAL 1.843200 MHz			1
		SEE FIG 1	WIRE, BUS 22 GA			A/R





DETAIL **A**

FIGURE 66 QUASI-PEAK INSTALLATION

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
66 -			QUASI-PEAK INSTALLATION SEE FIG 8 FOR NHA			REF
	TAG30	6050-0041-220	CABLE ASSY, COAX FLEX			1
	TAG31	6050-0041-870	CABLE ASSY, COAX FLEX			1
	TAG41	6050-0040-500	CABLE ASSY, COAX FLEX			1
1		7005-5348-000	QUASI-PEAK ASSEMBLY			1
			ATTACHING PARTS			
2		2803-0250-006	SCREW (4-40 X 1/4 PPHM)	UNK015		2
			---*---			
	J62001	2115-9001-008	CONNECTOR, LOCKING (SMR08VB)	UNK020		1
		2114-9001-001	CONTACT, CONN 22 - 26 GA (SYM001T0.6)	UNK020		1
3		1415-5368-400	COVER, ENCLOSURE			1
			ATTACHING PARTS			
4		2803-1000-003	SCREW (4-40 X 1 PFHMS)	45684		4
5		2803-0563-003	SCREW (4-40 X 9/16 PFHM)	UNK015		2
			---*---			
	J62004	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
	J62005	2123-0000-038	CONNECTOR, SMB (2019-7511-000)	19505		1
			ATTACHING PARTS			
6		2840-7600-229	WASHER, FLAT			1
			---*---			
	FL62005	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
			ATTACHING PARTS			
7		2850-0000-100	LUG, GND #8 (428-169)	79963		1
			---*---			
	FL62006	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL62007	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL62008	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL62009	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL62012	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
8		SEE FIG 67	QUASI-PEAK DETECTOR PC BOARD ASSEMBLY			1
			ATTACHING PARTS			
9		2803-0188-006	SCREW (4-40 X 3/16 PPHM)	UNK015		4
			---*---			
10		1415-5367-000	ENCLOSURE, BLOCK TOP			1
			ATTACHING PARTS			
11		2803-0500-006	SCREW (4-40 X 1/2 PPHM)	UNK015		6
			---*---			
	FL62001	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL62002	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL62003	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL62004	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
	FL62011	5801-0000-006	FILTER, FEEDTHRU 1500 pF (1250-003)	72982		1
12		SEE FIG 68	QUASI-PEAK FILTER PC BOARD ASSEMBLY			1
			INCL MTG HARDWARE			
13		1415-5367-100	ENCLOSURE, BLOCK BOTTOM			1
		SEE FIG 1	WIRE, 7S 26 GA			A/R
		SEE FIG 1	WIRE, BUS 26 GA			A/R
		SEE FIG 1	TY-RAP 4.0			A/R

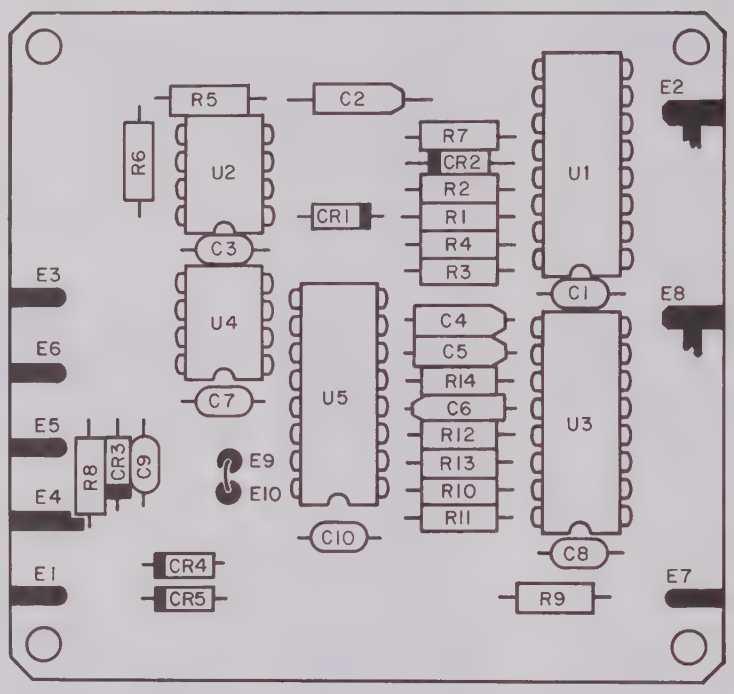


FIGURE 67 QUASI-PEAK DETECTOR PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
67 -		7010-5338-300	QUASI-PEAK DETECTOR PC BOARD ASSEMBLY SEE FIG 66 FOR NHA			REF
	C64001	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C64002	1507-0105-118	CAPACITOR 1 µF, 35 V (T322B105J035AS)	31433		1
	C64003	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C64004	1507-0685-020	CAPACITOR 6.8 µF, 15 V (T322B685M015AS)	31433		1
	C64005	1507-0685-020	CAPACITOR 6.8 µF, 15 V (T322B685M015AS)	31433		1
	C64006	1507-0685-020	CAPACITOR 6.8 µF, 15 V (T322B685M015AS)	31433		1
	C64007	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C64008	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C64009	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	C64010	1521-0000-008	CAPACITOR .1 µF, 50 V (CAC0225U104M050A)	16299		1
	CR64001	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR64002	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR64003	4818-0000-003	DIODE, ZENER 5.1 V (1N5231B)	71468		1
	CR64004	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	CR64005	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	R64001	4706-1004-001	RESISTOR 1%, 1/4 W, 1 M (RLR07C1004FR)	81349		1
	R64002	4706-1004-001	RESISTOR 1%, 1/4 W, 1 M (RLR07C1004FR)	81349		1
	R64003	4706-9090-001*	RESISTOR 1%, 1/4 W, 909 Ω (RLR07C9090FR)	81349		1
	R64004	4706-4532-001@	RESISTOR 1%, 1/4 W, 45.3 K (RLR07C4532FR)	81349		1
	R64005	4706-1244-001#	RESISTOR 1%, 1/4 W, 1.24 M (5053YD1M240F)	56699		1
	R64006	4706-1244-001#	RESISTOR 1%, 1/4 W, 1.24 M (5053YD1M240F)	56699		1
	R64007	4706-2323-001+	RESISTOR 1%, 1/4 W, 232 K (RLR072323FR)	81349		1
	R64008	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R64009	4702-0103-003	RESISTOR 5%, 1/4 W, 10 K (RLR07C103JR)	81349		1
	R64010	4706-1622-001**	RESISTOR 1%, 1/4 W, 16.2 K (RLR07C1622FR)	81349		1
	R64011	4706-2612-001@@	RESISTOR 1%, 1/4 W, 26.1 K (RLR072612FR)	81349		1
	R64012	4706-2612-001@@	RESISTOR 1%, 1/4 W, 26.1 K (RLR072612FR)	81349		1
	R64013	4706-1622-001**	RESISTOR 1%, 1/4 W, 16.2 K (RLR07C1622FR)	81349		1
	R64014	4702-0475-003##	RESISTOR 5%, 1/4 W, 4.7 M (RLR07C475JR)	81349		1
	U64001	3133-0000-023	IC, TRI 2-CH MPLXR/DMPLXR (CD4053BE)	02735		1
	U64002	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1
	U64003	3133-0000-023	IC, TRI 2-CH MPLXR/DMPLXR (CD4053BE)	02735		1
	U64004	3135-0000-054	IC, DUAL J-FET OP AMP (LF412CN)	27014		1
	U64005	3133-0000-023	IC, TRI 2-CH MPLXR/DMPLXR (CD4053BE)	02735		1
		SEE FIG 1	WIRE, BUS 26 GA			A/R

NOTE: * SELECTED AT TEST (SAT)
NOMINAL VALUE = 909 Ω
SELECT RANGE = 806 Ω THRU 1 K

@ SELECTED AT TEST (SAT)
NOMINAL VALUE = 45.3 K
SELECT RANGE = 40.2 K THRU 49.9 K

SELECTED AT TEST (SAT)
NOMINAL VALUE = 1.24 M
SELECT RANGE = 1 M THRU 1.5 M

+ SELECTED AT TEST (SAT)
NOMINAL VALUE = 232 K
SELECT RANGE = 200 K THRU 274 K

** SELECTED AT TEST (SAT)
NOMINAL VALUE = 16.2 K
SELECT RANGE = 13 K THRU 20 K

@@ SELECTED AT TEST (SAT)
NOMINAL VALUE = 26.1 K
SELECT RANGE = 20 K THRU 43.2 K

SELECTED AT TEST (SAT)
NOMINAL VALUE = 4.7 M
SELECT RANGE = 2.2 M THRU 5.6 M

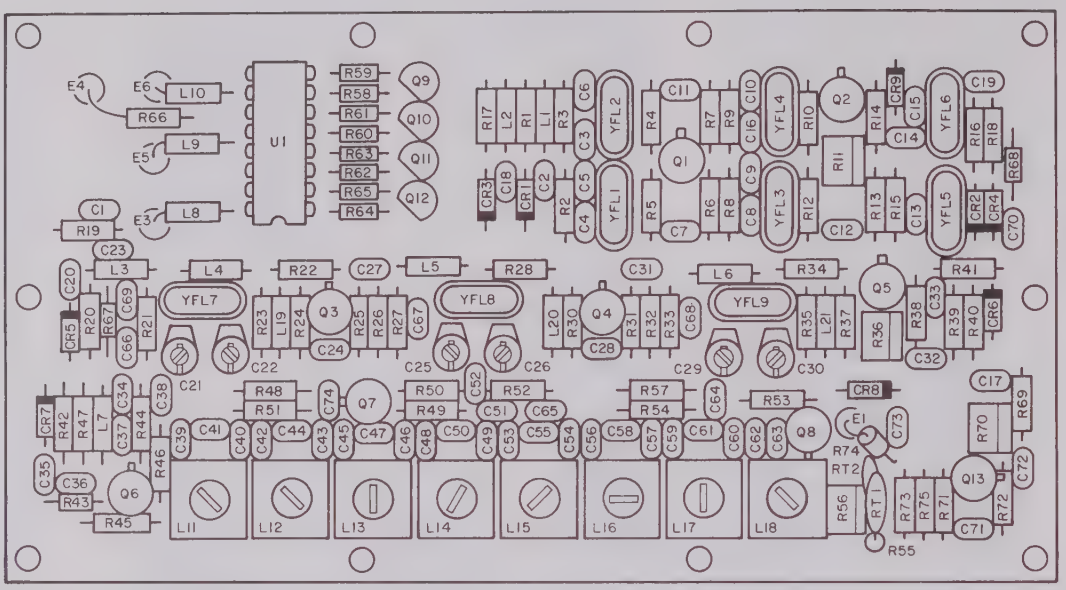


FIGURE 68 QUASI-PEAK FILTER PC BOARD ASSEMBLY

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
68 -		7010-5338-000	QUASI-PEAK FILTER PC BOARD ASSEMBLY SEE FIG 66 FOR NHA			REF
	J62002	2200-2010-200	CONNECTOR, SMB (2109-6511-001) INCL MTG HARDWARE	19505		1
	J62003	2200-2010-200	CONNECTOR, SMB (2109-6511-001) INCL MTG HARDWARE	19505		1
	C63001	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C63002	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63003	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63004	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C63005	1506-0471-017	CAPACITOR 470 pF, 200 V (C320C471J2G5CA)	61637		1
	C63006	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C63007	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C63008	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C63009	1506-0471-017	CAPACITOR 470 pF, 200 V (C320C471J2G5CA)	61637		1
	C63010	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C63011	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63012	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C63013	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C63014	1506-0471-017	CAPACITOR 470 pF, 200 V (C320C471J2G5CA)	61637		1
	C63015	1506-0221-017	CAPACITOR 220 pF, 200 V (C320C221J2G5CA)	61637		1
	C63016	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63017	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C63018	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63019	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63020	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63021	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C63022	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C63023	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63024	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C63025	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C63026	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C63027	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63028	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C63029	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C63030	1517-3295-303	CAPACITOR, VAR 3.5 - 25 pF, 100 V (DV6PS25A)	72982		1
	C63031	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63032	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C63033	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C63034	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63035	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C63036	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C63037	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63038	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63039	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C63040	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C63041	1506-0050-017	CAPACITOR 5.5 pF, 100 V (RPE110C0G5R5C100V)	72982		1
	C63042	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C63043	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C63044	1506-0030-017	CAPACITOR 3.3 pF, 100 V (RPE110C0G3R3C100V)	72982		1
	C63045	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C63046	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C63047	1506-0030-017	CAPACITOR 3.3 pF, 100 V (RPE110C0G3R3C100V)	72982		1
	C63048	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C63049	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C63050	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C63051	1506-0100-017	CAPACITOR 10 pF, 200 V (C320C100J2G5CA)	61637		1
	C63052	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63053	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C63054	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C63055	1506-0030-017	CAPACITOR 3.3 pF, 100 V (RPE110C0G3R3C100V)	72982		1
	C63056	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1

CONTINUED ON NEXT PAGE

FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
68-	C63057	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C63058	1506-0030-017	CAPACITOR 3.3 pF, 100 V (RPE110C0G3R3C100V)	72982		1
	C63059	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C63060	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C63061	1506-0050-017	CAPACITOR 5.5 pF, 100 V (RPE110C0G5R5C100V)	72982		1
	C63062	1506-0270-017	CAPACITOR 27 pF, 200 V (C320C270J2G5CA)	61637		1
	C63063	1506-0820-017	CAPACITOR 82 pF, 200 V (C320C820J2G5CA)	61637		1
	C63064	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C63065	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63066	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C63067	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C63068	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C63069	1506-0102-017	CAPACITOR 1000 pF, 200 V (C320C102J2G5CA)	61637		1
	C63070	1506-0182-017	CAPACITOR 1800 pF, 100 V (C320C182J2G5CA)	61637		1
	C63071	1506-0152-017	CAPACITOR 1500 pF, 100 V (C320C152J2G5CA)	61637		1
	C63072	1506-0331-017	CAPACITOR 330 pF, 200 V (C320C331J2G5CA)	61637		1
	C63073	1506-0103-017	CAPACITOR .01 µF, 100 V (C052K103K1X5CA)	61637		1
	C63074	1506-0020-017	CAPACITOR 2.2 pF, 100 V (RPE110C0G2R2C100V)	72982		1
	CR63001	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR63002	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR63003	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR63004	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR63005	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR63006	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR63007	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR63008	4828-0000-002	DIODE, PIN (5082-3077)	54893		1
	CR63009	4815-0000-003	DIODE, SIGNAL (1N4148)	71468		1
	L63001	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L63002	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L63003	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L63004	1801-0015-001	INDUCTOR 15 µH (1025-48)	99800		1
	L63005	1801-0015-001	INDUCTOR 15 µH (1025-48)	99800		1
	L63006	1801-0015-001	INDUCTOR 15 µH (1025-48)	99800		1
	L63007	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L63008	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L63009	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L63010	1801-0022-001	INDUCTOR 22 µH (1025-52)	99800		1
	L63011	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L63012	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L63013	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L63014	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L63015	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L63016	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L63017	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L63018	1808-1010-000	INDUCTOR, VAR 10 µH			1
	L63019	1801-0015-001	INDUCTOR 15 µH (1025-48)	99800		1
	L63020	1801-0015-001	INDUCTOR 15 µH (1025-48)	99800		1
	L63021	1801-0015-001	INDUCTOR 15 µH (1025-48)	99800		1
	Q63001	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q63002	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q63003	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q63004	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q63005	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q63006	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q63007	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q63008	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	Q63009	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q63010	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q63011	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q63012	4805-0000-001	TRANSISTOR (PN2907A)	12467		1
	Q63013	4809-0000-005	TRANSISTOR (66382)	UNK009		1
	R63001	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
68-	R63002	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R63003	4702-0680-003	RESISTOR 5%, 1/4 W, 68 Ω (RLR07C680JR)	81349		1
	R63004	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R63005	4702-0681-003	RESISTOR 5%, 1/4 W, 680 Ω (RLR07C681JR)	81349		1
	R63006	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R63007	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R63008	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R63009	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R63010	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R63011	4753-0102-002	RESISTOR, VAR 1 K (62-2-1-102)	02111		1
	R63012	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R63013	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R63014	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R63015	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R63016	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R63017	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R63018	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R63019	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R63020	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R63021	4702-0182-003	RESISTOR 5%, 1/4 W, 1.8 K (RLR07C182JR)	81349		1
	R63022	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R63023	4702-0182-003	RESISTOR 5%, 1/4 W, 1.8 K (RLR07C182JR)	81349		1
	R63024	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R63025	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R63026	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R63027	4702-0182-003	RESISTOR 5%, 1/4 W, 1.8 K (RLR07C182JR)	81349		1
	R63028	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R63030	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R63031	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R63032	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R63033	4702-0182-003	RESISTOR 5%, 1/4 W, 1.8 K (RLR07C182JR)	81349		1
	R63034	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R63035	4702-0182-003	RESISTOR 5%, 1/4 W, 1.8 K (RLR07C182JR)	81349		1
	R63036	4753-0102-002	RESISTOR, VAR 1 K (62-2-1-102)	02111		1
	R63037	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R63038	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R63039	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R63040	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R63041	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R63042	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R63043	4701-0510-003	RESISTOR 5%, 1/8 W, 51 Ω (RLR05C510JR)	81349		1
	R63044	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R63045	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R63046	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R63047	4702-0271-003	RESISTOR 5%, 1/4 W, 270 Ω (RLR07C271JR)	81349		1
	R63048	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R63049	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R63050	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R63051	4702-0470-003	RESISTOR 5%, 1/4 W, 47 Ω (RLR07C470JR)	81349		1
	R63052	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R63053	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R63054	4702-0102-003	RESISTOR 5%, 1/4 W, 1 K (RLR07C102JR)	81349		1
	R63055	4702-0220-003	RESISTOR 5%, 1/4 W, 22 Ω (RLR07C220JR)	81349		1
	R63056	4753-0201-002	RESISTOR, VAR 200 Ω (62-2-1-201)	02111		1
	R63057	4702-0332-003	RESISTOR 5%, 1/4 W, 3.3 K (RLR07C332JR)	81349		1
	R63058	4701-0123-003	RESISTOR 5%, 1/8 W, 12 K (RLR05C123JR)	81349		1
	R63059	4701-0123-003	RESISTOR 5%, 1/8 W, 12 K (RLR05C123JR)	81349		1
	R63060	4701-0123-003	RESISTOR 5%, 1/8 W, 12 K (RLR05C123JR)	81349		1
	R63061	4701-0123-003	RESISTOR 5%, 1/8 W, 12 K (RLR05C123JR)	81349		1
	R63062	4701-0123-003	RESISTOR 5%, 1/8 W, 12 K (RLR05C123JR)	81349		1
	R63063	4701-0123-003	RESISTOR 5%, 1/8 W, 12 K (RLR05C123JR)	81349		1
	R63064	4701-0123-003	RESISTOR 5%, 1/8 W, 12 K (RLR05C123JR)	81349		1

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FIG-ITEM NO	REF DES	PART NO	1 2 3 4 5 6 7 DESCRIPTION	FSCM	EFF	QTY
68-	R63065	4701-0123-003	RESISTOR 5%, 1/8 W, 12 K (RLR05C123JR)	81349		1
	R63066	4702-0333-003	RESISTOR 5%, 1/4 W, 33 K (RLR07C333JR)	81349		1
	R63067	4701-0510-003	RESISTOR 5%, 1/8 W, 51 Ω (RLR05C510JR)	81349		1
	R63068	4701-0510-003	RESISTOR 5%, 1/8 W, 51 Ω (RLR05C510JR)	81349		1
	R63069	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R63070	4753-0202-002	RESISTOR, VAR 2 K (62-2-1-202)	02111		1
	R63071	4702-0331-003	RESISTOR 5%, 1/4 W, 330 Ω (RLR07C331JR)	81349		1
	R63072	4702-0683-003	RESISTOR 5%, 1/4 W, 68 K (RLR07C683JR)	81349		1
	R63073	4702-0471-003	RESISTOR 5%, 1/4 W, 470 Ω (RLR07C471JR)	81349		1
	R63074	4702-0101-003	RESISTOR 5%, 1/4 W, 100 Ω (RLR07C101JR)	81349		1
	R63075	4702-0270-003	RESISTOR 5%, 1/4 W, 27 Ω (RLR07C270JR)	81349		1
	RT63001	4800-0000-005	THERMISTOR 100 Ω (KB21J1)	18N13		1
	RT63002	4800-0000-005	THERMISTOR 100 Ω (KB21J1)	18N13		1
	U63001	3133-0000-023	IC, TRI 2-CH MPLXR/DMPLXR (CD4053BE)	02735		1
	YFL63001	2303-0000-002	FILTER, CRYSTAL 10.7 MHz, 320 kHz BW			1
	YFL63002	2303-0000-002	FILTER, CRYSTAL 10.7 MHz, 320 kHz BW			1
	YFL63003	2303-0000-002	FILTER, CRYSTAL 10.7 MHz, 320 kHz BW			1
	YFL63004	2303-0000-002	FILTER, CRYSTAL 10.7 MHz, 320 kHz BW			1
	YFL63005	2303-0000-002	FILTER, CRYSTAL 10.7 MHz, 320 kHz BW			1
	YFL63006	2303-0000-002	FILTER, CRYSTAL 10.7 MHz, 320 kHz BW			1
	YFL63007	2302-0006-000	FILTER, CRYSTAL 10.7 MHz, 15 kHz BW			1
	YFL63008	2302-0006-000	FILTER, CRYSTAL 10.7 MHz, 15 kHz BW			1
	YFL63009	2302-0006-000	FILTER, CRYSTAL 10.7 MHz, 15 kHz BW			1

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1003-0001-000	7 - 7	
1003-0001-500	7 - 5	
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1050-0000-019	1 - 2	
1050-0000-020	1 - 3	
1050-0000-021	1 - 4	
1050-0000-047	1 - 5	
1050-0000-048	1 - 6	
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1050-0000-074	1 - 11	
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1625-6820-200	41 -	C30034
1640-2230-220	23 -	C17032
1642-1040-400	32 -	C26082
1642-1040-400	63 -	C58078
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1700-5326-700	4 - 8	
1700-5327-200	15 - 20	
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1800-5051-400	23 -	L17008
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1800-5062-200	51 -	L71001
1800-5353-900	44 -	L33001
1800-5354-802	23 -	L17004
1800-5354-900	23 -	L17003
1800-5354-900	23 -	L17005
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1800-5354-900	23 -	L17009
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1801-0022-001	19 -	L42018
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3214-8245-000	64 -	U56001
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3214-9244-000	11 -	U19008
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3214-9404-010	14 -	U20025
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3214-9440-103	12 -	U32015
3214-9440-103	12 -	U32020
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3221-0001-100	38 -	U28010
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3221-0006-000	41 -	U30009
3221-0006-000	41 -	U30010
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3225-0001-000	14 -	CR20004
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4701-0153-003	30 -	R40022
4701-0153-003	30 -	R40028
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4701-0153-003	55 -	R6807
4701-0153-003	59 -	R51003
4701-0153-003	63 -	R58012
4701-0153-003	63 -	R58020
4701-0154-003	41 -	R30029
4701-0154-003	41 -	R30107
4701-0155-003	38 -	R28002
4701-0180-003	19 -	R42022
4701-0181-003	36 -	R24005
4701-0182-003	38 -	R28086
4701-0182-003	41 -	R30028
4701-0182-003	41 -	R30077
4701-0182-003	63 -	R58019
4701-0182-003	63 -	R58023
4701-0183-003	19 -	R42005
4701-0183-003	19 -	R42011
4701-0183-003	19 -	R42028
4701-0183-003	26 -	R37007
4701-0183-003	63 -	R58028
4701-0183-003	63 -	R58030
4701-0183-003	63 -	R58078
4701-0220-003	16 -	R73004
4701-0220-003	19 -	R42006
4701-0220-003	19 -	R42013
4701-0220-003	27 -	R38031
4701-0220-003	38 -	R28079
4701-0220-003	38 -	R28080
4701-0220-003	38 -	R28084
4701-0220-003	39 -	R73004
4701-0220-003	41 -	R30055
4701-0220-003	61 -	R53001
4701-0221-003	16 -	R73003
4701-0221-003	36 -	R24003
4701-0221-003	36 -	R24007
4701-0221-003	36 -	R24062
4701-0221-003	36 -	R24064
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4701-0221-003	38 -	R28017
4701-0221-003	38 -	R28059
4701-0221-003	38 -	R28060
4701-0221-003	38 -	R28092
4701-0221-003	39 -	R73003
4701-0221-003	41 -	R30044
4701-0221-003	41 -	R30082
4701-0221-003	63 -	R58039
4701-0221-003	63 -	R58047
4701-0222-003	36 -	R24011
4701-0222-003	38 -	R28001
4701-0222-003	38 -	R28058
4701-0222-003	41 -	R30035
4701-0222-003	41 -	R30073
4701-0222-003	41 -	R30075
4701-0222-003	41 -	R30087
4701-0222-003	59 -	R51004
4701-0222-003	60 -	R54005
4701-0223-003	16 -	R73001
4701-0223-003	25 -	R18001
4701-0223-003	26 -	R37008
4701-0223-003	27 -	R38008
4701-0223-003	27 -	R38011
4701-0223-003	27 -	R38014
4701-0223-003	27 -	R38017
4701-0223-003	27 -	R38020
4701-0223-003	39 -	R73001
4701-0223-003	41 -	R30003
4701-0223-003	41 -	R30006
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4701-0223-003	51 -	R71007
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4701-0223-003	63 -	R58048
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4701-0223-003	63 -	R58051
4701-0223-003	63 -	R58053
4701-0223-003	63 -	R58075
4701-0223-003	63 -	R58092
4701-0223-003	63 -	R58103
4701-0224-003	63 -	R58096
4701-0270-003	19 -	R42031
4701-0270-003	38 -	R28019
4701-0271-003	17 -	R45005
4701-0271-003	36 -	R24056
4701-0271-003	38 -	R28052
4701-0271-003	38 -	R28054
4701-0271-003	41 -	R30101
4701-0271-003	60 -	R54007
4701-0272-003	5 -	R76003
4701-0272-003	18 -	R43005
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4701-0272-003	38 -	R28089
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4701-0330-003	26 -	R37010
4701-0330-003	36 -	R24063
4701-0331-003	19 -	R42002
4701-0331-003	19 -	R42004
4701-0331-003	19 -	R42010
4701-0331-003	19 -	R42021
4701-0331-003	19 -	R42036
4701-0331-003	26 -	R37012
4701-0331-003	27 -	R38007
4701-0331-003	27 -	R38013
4701-0331-003	38 -	R28053
4701-0331-003	38 -	R28055
4701-0331-003	38 -	R28055
4701-0331-003	41 -	R30021
4701-0331-003	41 -	R30076
4701-0331-003	41 -	R30084
4701-0331-003	63 -	R58003
4701-0331-003	63 -	R58015
4701-0331-003	63 -	R58041
4701-0331-003	63 -	R58045
4701-0331-003	63 -	R58062
4701-0332-003	41 -	R30042
4701-0332-003	63 -	R58002
4701-0332-003	63 -	R58076
4701-0333-003	19 -	R42019
4701-0333-003	19 -	R42033
4701-0333-003	30 -	R40013
4701-0333-003	30 -	R40019
4701-0333-003	30 -	R40025
4701-0333-003	36 -	R24055
4701-0333-003	38 -	R28035
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4701-0333-003	41 -	R30011
4701-0333-003	41 -	R30027
4701-0333-003	41 -	R30031
4701-0333-003	55 -	R6804
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4701-0335-003	41 -	R30096
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4701-0390-003	41 -	R30114
4701-0391-003	27 -	R38032
4701-0391-003	38 -	R28064
4701-0391-003	41 -	R30007
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4701-0392-003	41 -	R30067
4701-0392-003	41 -	R30095
4701-0392-003	60 -	R54001
4701-0392-003	63 -	R58029
4701-0392-003	63 -	R58033
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4701-0470-003	19 -	R42003
4701-0470-003	19 -	R42009
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4701-0470-003	19 -	R42026
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4701-0470-003	27 -	R38018
4701-0470-003	27 -	R38025
4701-0470-003	34 -	R22090
4701-0470-003	36 -	R24012
4701-0470-003	38 -	R28087
4701-0470-003	38 -	R28093
4701-0470-003	41 -	R30001
4701-0470-003	59 -	R51013
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4701-0471-003	19 -	R42017
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4701-0471-003	27 -	R38003
4701-0471-003	27 -	R38027
4701-0471-003	27 -	R38030
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4701-0471-003	38 -	R28048
4701-0471-003	38 -	R28069
4701-0471-003	38 -	R28085
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4701-0471-003	41 -	R30013
4701-0471-003	41 -	R30060
4701-0471-003	41 -	R30065
4701-0471-003	41 -	R30108
4701-0471-003	54 -	R6805
4701-0471-003	55 -	R6808
4701-0471-003	59 -	R51014
4701-0471-003	63 -	R58086
4701-0471-003	63 -	R58100
4701-0472-003	5 -	R76007
4701-0472-003	18 -	R43004
4701-0472-003	27 -	R38001
4701-0472-003	27 -	R38002
4701-0472-003	36 -	R24001
4701-0472-003	36 -	R24006
4701-0472-003	38 -	R28006
4701-0472-003	38 -	R28007
4701-0472-003	60 -	R54006
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4701-0473-003	38 -	R28005
4701-0473-003	38 -	R28038
4701-0473-003	38 -	R28039
4701-0473-003	51 -	R71013
4701-0473-003	59 -	R51007
4701-0473-003	63 -	R58011
4701-0473-003	63 -	R58060
4701-0473-003	63 -	R58072
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4701-0473-003	63 -	R58087
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4701-0510-003	68 -	R63067
4701-0510-003	68 -	R63068
4701-0512-002	19 -	R42023
4701-0512-002	19 -	R42024
4701-0560-003	5 -	R76001
4701-0560-003	27 -	R38033
4701-0560-003	38 -	R28043
4701-0560-003	38 -	R28047
4701-0560-003	41 -	R30089
4701-0561-003	19 -	R42012
4701-0561-003	36 -	R24010
4701-0562-003	41 -	R30086
4701-0562-003	63 -	R58013
4701-0563-003	41 -	R30034
4701-0563-003	63 -	R58031
4701-0680-003	19 -	R42035
4701-0680-003	36 -	R24016
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4701-0680-003	38 -	R28056
4701-0680-003	38 -	R28074
4701-0680-003	59 -	R51005
4701-0680-003	63 -	R58066
4701-0681-003	27 -	R38019
4701-0681-003	38 -	R28024
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4701-0681-003	38 -	R28051
4701-0681-003	38 -	R28071
4701-0681-003	38 -	R28076
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4701-0682-003	41 -	R30046
4701-0682-003	41 -	R30061
4701-0682-003	41 -	R30064
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4701-0683-003	38 -	R28077
4701-0683-003	38 -	R28083
4701-0683-003	41 -	R30041
4701-0683-003	59 -	R51002
4701-0683-003	59 -	R51010
4701-0683-003	59 -	R51012
4701-0683-003	63 -	R58005
4701-0683-003	63 -	R58021
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4701-0820-003	55 -	R6801
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4702-0101-003	13 -	R31014
4702-0101-003	13 -	R31019
4702-0101-003	23 -	R17092
4702-0101-003	23 -	R17097
4702-0101-003	30 -	R40002
4702-0101-003	32 -	R26050
4702-0101-003	32 -	R26052
4702-0101-003	32 -	R26068
4702-0101-003	32 -	R26080
4702-0101-003	32 -	R26091
4702-0101-003	32 -	R26103
4702-0101-003	32 -	R26111
4702-0101-003	32 -	R26115
4702-0101-003	32 -	R26130
4702-0101-003	32 -	R26131
4702-0101-003	32 -	R26134
4702-0101-003	32 -	R26143
4702-0101-003	32 -	R26149
4702-0101-003	34 -	R22005
4702-0101-003	34 -	R22011
4702-0101-003	34 -	R22016
4702-0101-003	34 -	R22032
4702-0101-003	34 -	R22038
4702-0101-003	34 -	R22042
4702-0101-003	34 -	R22048
4702-0101-003	34 -	R22055
4702-0101-003	34 -	R22063
4702-0101-003	34 -	R22068
4702-0101-003	34 -	R22069
4702-0101-003	34 -	R22075
4702-0101-003	34 -	R22076
4702-0101-003	34 -	R22084
4702-0101-003	34 -	R22086
4702-0101-003	34 -	R22096
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4702-0101-003	43 -	R47038
4702-0101-003	43 -	R47048
4702-0101-003	59 -	R51001
4702-0101-003	59 -	R51008
4702-0101-003	60 -	R54024
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4702-0101-003	68 -	R63004
4702-0101-003	68 -	R63008
4702-0101-003	68 -	R63009
4702-0101-003	68 -	R63010
4702-0101-003	68 -	R63015
4702-0101-003	68 -	R63022
4702-0101-003	68 -	R63028
4702-0101-003	68 -	R63034
4702-0101-003	68 -	R63044
4702-0101-003	68 -	R63048
4702-0101-003	68 -	R63052
4702-0101-003	68 -	R63074
4702-0102-003	11 -	R19001
4702-0102-003	11 -	R19014
4702-0102-003	11 -	R19035
4702-0102-003	11 -	R19041
4702-0102-003	11 -	R19044
4702-0102-003	11 -	R19058
4702-0102-003	12 -	R32005
4702-0102-003	12 -	R32006
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4702-0102-003	13 -	R31010
4702-0102-003	13 -	R31015
4702-0102-003	13 -	R31024
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4702-0102-003	14 -	R20011
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4702-0102-003	18 -	R43003
4702-0102-003	23 -	R17011
4702-0102-003	23 -	R17016
4702-0102-003	23 -	R17026
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4702-0102-003	23 -	R17047
4702-0102-003	23 -	R17060
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4702-0102-003	32 -	R26012
4702-0102-003	32 -	R26018
4702-0102-003	32 -	R26024
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4702-0102-003	32 -	R26049
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4702-0102-003	32 -	R26174
4702-0102-003	34 -	R22002
4702-0102-003	34 -	R22006
4702-0102-003	34 -	R22012
4702-0102-003	34 -	R22041
4702-0102-003	34 -	R22043
4702-0102-003	34 -	R22046
4702-0102-003	34 -	R22047
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4702-0102-003	34 -	R22054
4702-0102-003	34 -	R22056
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4702-0102-003	36 -	R24045
4702-0102-003	36 -	R24046
4702-0102-003	36 -	R24047
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4702-0102-003	36 -	R24051
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4702-0102-003	43 -	R47004
4702-0102-003	43 -	R47007
4702-0102-003	43 -	R47035
4702-0102-003	43 -	R47044
4702-0102-003	43 -	R47045
4702-0102-003	44 -	R33002
4702-0102-003	47 -	R35012
4702-0102-003	47 -	R35015
4702-0102-003	63 -	R58004
4702-0102-003	63 -	R58102
4702-0102-003	65 -	R55002
4702-0102-003	68 -	R63007
4702-0102-003	68 -	R63014
4702-0102-003	68 -	R63019
4702-0102-003	68 -	R63026
4702-0102-003	68 -	R63032
4702-0102-003	68 -	R63039
4702-0102-003	68 -	R63041
4702-0102-003	68 -	R63046
4702-0102-003	68 -	R63050
4702-0102-003	68 -	R63054
4702-0103-003	11 -	R19003
4702-0103-003	11 -	R19036
4702-0103-003	11 -	R19042
4702-0103-003	11 -	R19043
4702-0103-003	11 -	R19046
4702-0103-003	11 -	R19057
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4702-0103-003	23 -	R17032
4702-0103-003	23 -	R17053
4702-0103-003	23 -	R17066
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4702-0103-003	23 -	R17093
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4702-0103-003	32 -	R26200
4702-0103-003	36 -	R24032
4702-0103-003	36 -	R24053
4702-0103-003	36 -	R24054
4702-0103-003	60 -	R54008
4702-0103-003	67 -	R64009
4702-0104-003	11 -	R19049
4702-0104-003	11 -	R19050
4702-0104-003	11 -	R19051
4702-0104-003	11 -	R19052
4702-0104-003	23 -	R17020
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4702-0104-003	23 -	R17024
4702-0104-003	23 -	R17027
4702-0104-003	60 -	R54021
4702-0105-003	23 -	R17102
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4702-0122-003	11 -	R19011
4702-0122-003	43 -	R47052
4702-0123-003	11 -	R19032
4702-0123-003	11 -	R19033
4702-0123-003	11 -	R19034
4702-0123-003	12 -	R32025
4702-0123-003	14 -	R20017
4702-0123-003	14 -	R20045
4702-0123-003	14 -	R20046
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4702-0123-003	14 -	R20048
4702-0123-003	14 -	R20049
4702-0123-003	14 -	R20050
4702-0123-003	23 -	R17081
4702-0123-003	32 -	R26183
4702-0123-003	43 -	R47011
4702-0123-003	65 -	R55005
4702-0123-003	65 -	R55006
4702-0124-003	32 -	R26153
4702-0151-003	5 -	R76010
4702-0151-003	5 -	R76012
4702-0151-003	13 -	R31012
4702-0151-003	30 -	R40004
4702-0151-003	36 -	R24031
4702-0151-003	43 -	R47005
4702-0151-003	61 -	R53002
4702-0151-003	61 -	R53003
4702-0152-003	23 -	R17072
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4702-0152-003	60 -	R54011
4702-0153-003	23 -	R17034
4702-0153-003	23 -	R17037
4702-0153-003	23 -	R17041
4702-0153-003	23 -	R17044
4702-0153-003	23 -	R17065
4702-0153-003	23 -	R17080
4702-0153-003	23 -	R17090
4702-0153-003	34 -	R22037
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4702-0181-003	32 -	R26065
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4702-0182-003	14 -	R20019
4702-0182-003	64 -	R56004
4702-0182-003	64 -	R56005
4702-0182-003	65 -	R55001
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4702-0182-003	68 -	R63023
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4702-0221-003	13 -	R31020
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4702-0221-003	57 -	R49009
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4702-0221-003	60 -	R54010
4702-0221-003	60 -	R54013
4702-0221-003	60 -	R54014
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4702-0222-003	32 -	R26147
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4702-0223-003	11 -	R19059
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4702-0223-003	23 -	R17012
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4702-0270-003	23 -	R17085
4702-0270-003	23 -	R17105
4702-0270-003	23 -	R17106
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4702-0271-003	41 -	R30104
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4702-0271-003	68 -	R63047
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4702-0332-003	11 -	R19056
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4702-0332-003	12 -	R32013
4702-0332-003	12 -	R32014
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4702-0332-003	14 -	R20001
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4702-0332-003	14 -	R20018
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4702-0332-003	23 -	R17052
4702-0332-003	23 -	R17061
4702-0332-003	23 -	R17067
4702-0332-003	23 -	R17084
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4702-0332-003	34 -	R22003
4702-0332-003	34 -	R22026
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4702-0332-003	34 -	R22040
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4702-0332-003	34 -	R22062
4702-0332-003	34 -	R22077
4702-0332-003	34 -	R22081
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4702-0332-003	68 -	R63001
4702-0332-003	68 -	R63016
4702-0332-003	68 -	R63017
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4702-0332-003	68 -	R63030
4702-0332-003	68 -	R63040
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4702-0471-003	59 -	R51006
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4702-0472-003	43 -	R47003
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4702-0472-003	65 -	R55003
4702-0473-003	23 -	R17008
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4702-0510-002	57 -	R49011
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4702-0562-003	32 -	R26138
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4702-0563-003	23 -	R17104
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4702-0680-003	68 -	R63003
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4702-0681-003	27 -	R38016
4702-0681-003	32 -	R26073
4702-0681-003	32 -	R26096
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4702-0681-003	36 -	R24027
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4702-0682-003	34 -	R22033
4702-0683-003	11 -	R19048
4702-0683-003	12 -	R32015
4702-0683-003	23 -	R17009
4702-0683-003	34 -	R22007
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4702-0683-003	34 -	R22050
4702-0683-003	34 -	R22057
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4706-6199-001	47 -	R35007
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4706-6342-001	11 -	R19012
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